

2021版



誠信 · 務實 · 合作 · 共贏
Honesty Practicality Cooperation and Win-win

- ▶ 高精度齒輪減速機
High precision gear reducer
- ▶ CH/CV小型減速電機
CH/CV small-size reduction motor
- ▶ 直交軸系列微特減速電機
Rectangular shaft series VT reduction motor



瑞安市展鵬機械有限公司
Ruian Zhanpeng Machinery Co., Ltd

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瑞安展鵬機械
RUIAN ZHANPENG MACHINERY

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乘风破浪 勇往直前

企業簡介

瑞安市展鵬機械有限公司，創辦于2011年，坐落于工業發達的浙江省瑞安市。公司致力于傳動設備的研發、生產制造和銷售，主要產品有平行軸系列微特交流減速電機、直交軸系列微特交流減速電機、CH/CV系列小型減速電機、高效高精度系列行星減速器。產品廣泛應用於金融機械、食品包裝機械、辦公機械、畜牧機械、醫藥機械、廣告設備、電子儀器和立體車庫等領域。先後通過了國家強制性產品認證（3C認證）、歐盟CE認證、ISO9001：2015質量體系認證等。

公司秉承“高科技·高質量·高信譽”的宗旨，一直致力為自主研製，自我開發的路子。

我們熱情歡迎國內外新老朋友蒞臨公司參觀指導，展鵬人期待與你握手，共同攜手合作共創輝煌燦爛明天。

Brief Introduction

Ruian Zhanpeng Machinery Co., Ltd., founded in 2011, locating in Rui'an City of Zhejiang Province which features developed industry. The company is devoted to the R&D, manufacturing and sale of driving equipment, and the main products include: parallel axis series VT AC reducer, rectangular axis series VT AC reducer, CH/CV series small reducer, high efficiency and high precision series planetary reducer. The products are widely applied in the fields such as financial machinery, food packaging machinery, printing machinery, office machinery, livestock machinery, medical machinery, advertising equipment, electronic instruments and dimensional garage. The products have passed the China Compulsory Certification (3C Certification), European Union CE Certification, ISO9001:2015 Quality System Certification and so on.

Adhering to the principle of “high technology, high quality and high reputation”, our company has been dedicating self R&D all the time.

We warmly welcome the friends at home and abroad to our company for visiting and guidance, and Zhanpeng people are looking forward to shaking hands with you, and creating brilliant and bright future together.

現代化的生產設備
Modern production equipment



先进的自动化生产设备，流水线精密工序和装配，进行一流品质，技术专家直接参与生产，保证产品的稳定性和可靠性万无一失。与日俱增的精品意识和源源不断的创新产品赢得了广大客户的信任。

The company has advanced automatic production equipment to provide a strong guarantee for the accurate quality of products to ensure the stability and reliability of products. Technical experts participate in improving the understanding of quality and innovative products, and continue to win the high trust and recognition of customers.



目錄

CATALOG



選型方法
Type selection method

1-4



高精度齒輪減速電機特性與選型
Characteristics and selection High percision gear reducer motor

5-27



直交軸系列微特減速電機特性與選型
Characteristics and selection Rectangular shaft series VT reduction motor

28-47



微特馬達附件選型
Micro motor accessories selection

48-50



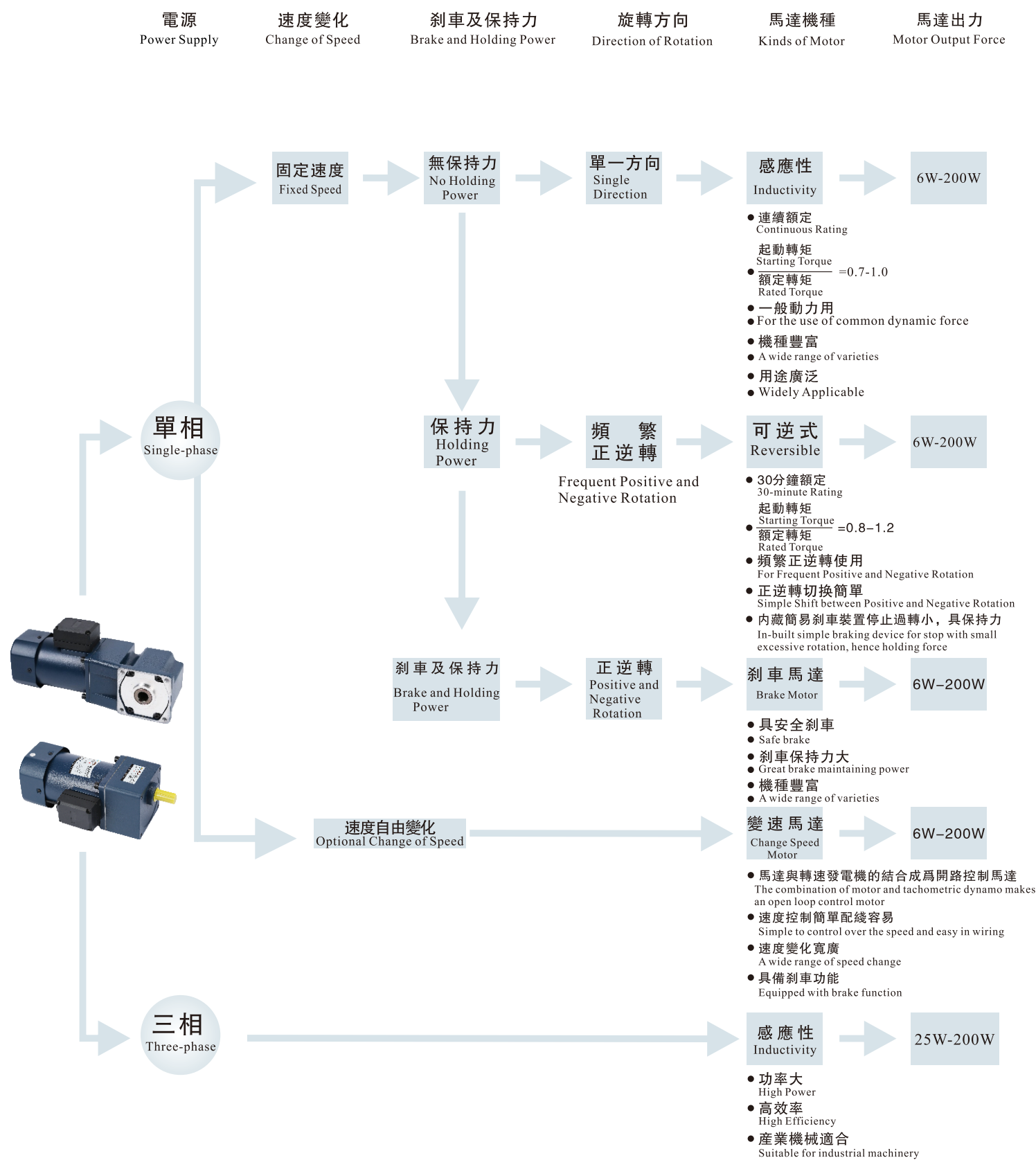
速度控制器與馬達接綫示意圖
Speed controller and motor wiring diagram

51-52



CH/CV小型減速電機
CH/CV small-size deceleration motor

53-85



馬達容量的具體計算方法

Method for calculating motor capacity

1、求馬達所需的容量時，如下列標示。此處為一般的基本式。

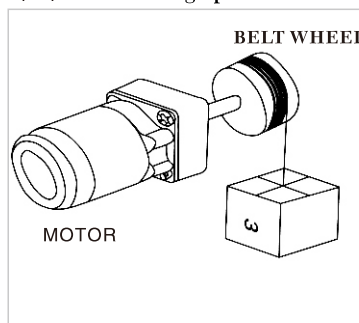
2、實際使用時應考慮到加速時，巨大的瞬間負荷所需的動力，或者設計上的安全，電壓的變化所造成的影響之後，再選擇馬達

1、The method for calculating the required capacity of the motor is shown as below. The general basic form is introduced here.

2、The power for the enormous instantaneous load under acceleration during actual operation and the design safety and influence caused by the voltage change should be taken into consideration before selecting the motor

(1) 卷起荷重物時

(1) When rolling up the load



$$Pg = \frac{\omega V}{6.12} \times \frac{100}{\eta} [W]$$

ω : 荷重[kgf]
 ω : Load weight[kgf]
 V : 速度[m/min]
 V : Speed[m/min]
 η : 效率[%]
 η : Efficiency[%]

$$Pg = (P1 + P2 + P3) \times \frac{100}{\eta} [W]$$

無負荷動力 $P1 = 9.8 \mu \omega VL [W]$

No load Dynamic power $P1 = 9.8 \mu \omega VL [W]$

$$\text{水平動力 } P2 = \frac{\mu QL}{367} [W]$$

Horizontal Dynamic power $P2 = \frac{\mu QL}{367} [W]$

$$\text{垂直動力 } P2 = \pm \frac{QH}{367} [W]$$

Vertical dynamic power $P2 = \pm \frac{QH}{367} [W]$

L : 運送帶的長度[m]
 L : The length of conveying belt [m]

ω : 環狀帶比量[kgf/m]
 ω : The specific flow of the loop-shaped belt [kgf/m]

μ : 摩擦係數
 μ : Coefficient of Friction

V : 環狀帶的速度[m/sec]
 V : The speed of the loop-shaped belt [m/sec]

Q : 運送量[kgf/h]
 Q : The conveying volume [kgf/h]

η : 效率[%]
 η : Efficiency[%]

H : 傾斜運送機的兩端高低差[m]
 H : height difference between the two ends of slop conveyer [m]

(5) 驅動導螺杆時

(5) Drive the leadscrew

1) 水平移動時

1) When moving horizontally

$$Pg = (P1 + P2) [W]$$

外部負荷

External load

$$Pg = 1.027N2K \frac{(F + \mu \omega)}{2\pi \eta} [W]$$

預壓負荷

Setting load

$$P2 = 1.027N2K \frac{Fao \cdot L}{2\pi} [W]$$

F: 切削力[kgf]

F: Cutting force [kgf]

ω : 工作質量+工作臺質量[kgf/m]
 ω : Work quality+Workbench Quality [kgf/m]

μ : 滾動裝置的摩擦係數[0.01]
 μ : The frictional coefficient of the rolling device [0.01]

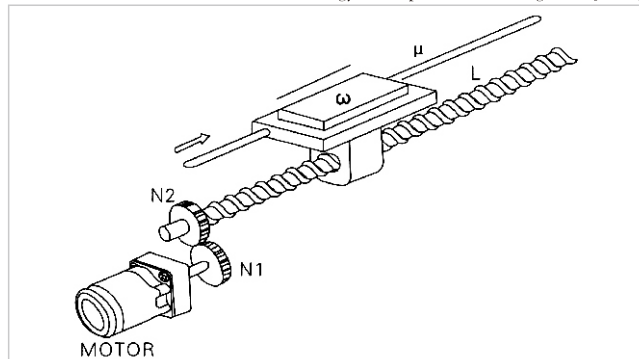
L : 導螺杆的LEAD[m]
 L : The LEAD of driving screw [m]

η : 導螺杆效率[0.9]
 η : The efficiency of driving screw [0.9]

Fao : 預壓荷重[kgf]
 Fao : Setting load

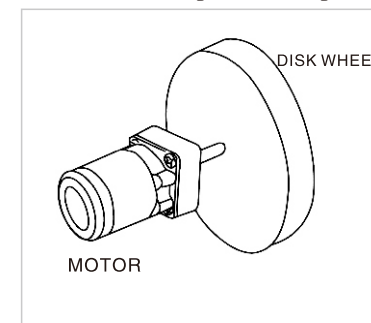
K : 預壓螺帽的內部摩擦係數[0.1-0.3]
 K : The internal frictional coefficient of the driving cap [0.1-0.3]

$N2$: 導螺杆的回旋速度[r/min]
 $N2$: The gyration speed of the driving screw [r/min]



(2) 驅動慣性體時

(2) When driving the coasting body



$$Pg = 1.027nT [W]$$

Gd^2 包括回轉體的圓輪效果
 Gd^2 includes the round wheel effect of the rotational part

$$T = \frac{GD^2}{375} \times \frac{n}{t} (kg \cdot m \cdot 10^5)$$

n : 回轉數[rpm]
 n : revolutions per [rpm]

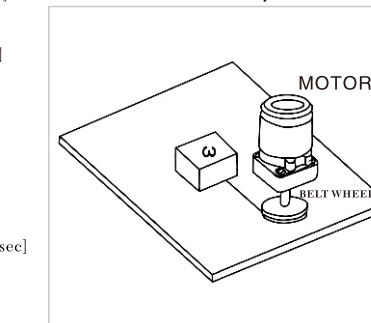
T : 轉矩[kg · m]
 T : Torque [kg · m]

Gd^2 : 飛輪效率[kg · m²]
 Gd^2 : Flywheel efficiency [kg · m²]

t : 時間[sec]
 t : Time [sec]

(4) 把接觸面水平移動時

(4) When moving the contact surface horizontally



$$Pg = \frac{\mu \omega V}{6.12} [W]$$

ω : 荷重[kgf]
 ω : Load weight [kgf]

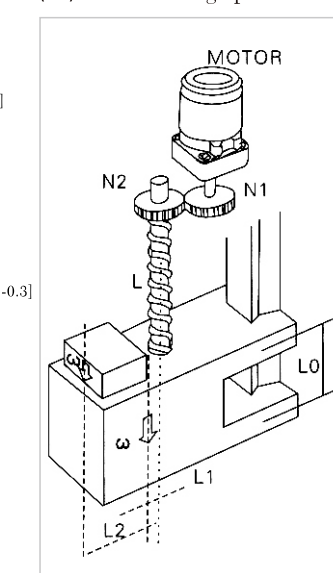
V : 速度[m/min]
 V : Speed [m/min]

μ : 摩擦係數
 μ : Coefficient of friction

Pg : 所需動力(W)
 Pg : Required Dynamic power (W)

(6) 上下移動時

(6) When moving up and down



$$Pa = (P1 + P2) [W]$$

在此，外部負荷

Here, external load

$$P1 = 1.027N2 \frac{(F + \mu \omega) L}{2\pi \eta} [W]$$

$$W = \frac{(\omega_1 L_1 + \omega_2 L_2)}{L_0} [kgf]$$

預壓負荷

Setting load

$$P2 = 1.027N2K \frac{Fao \cdot L}{2\pi} [W]$$

ω_1 : 工作質量 Work quality

ω_2 : 工作臺質量 Workbench Quality

L_1 : 導螺杆中心與工作重心的距離[m]
 L_1 : The distance between the center of the driving screw and the center of working gravity [m]

L_2 : 導螺杆中心與工作重心的距離[m]
 L_2 : The distance between the center of the driving screw and the center of working gravity [m]

L_0 : 工作臺腳之間的距離[m]
 L_0 : The distance between the working table feet [m]

L : 導螺杆的LEAD[m]
 L : The LEAD of driving screw [m]

μ : 滾動裝置的摩擦係數[0.01]
 μ : The frictional coefficient of the rolling device [0.01]

Fao : 預壓荷重
 Fao : Setting load [kgf]

K : 預壓螺帽的內部摩擦係數[0.1-0.3]
 K : The internal frictional coefficient of the driving cap [0.1-0.3]

係數 coefficient [0.1-0.3]

$N2$: 導螺杆的回旋速度[r/min]
 $N2$: The gyration speed of the driving screw [r/min]

η : 導螺杆效率[0.9]
 η : The efficiency of driving screw [0.9]

交流馬達型號之選定

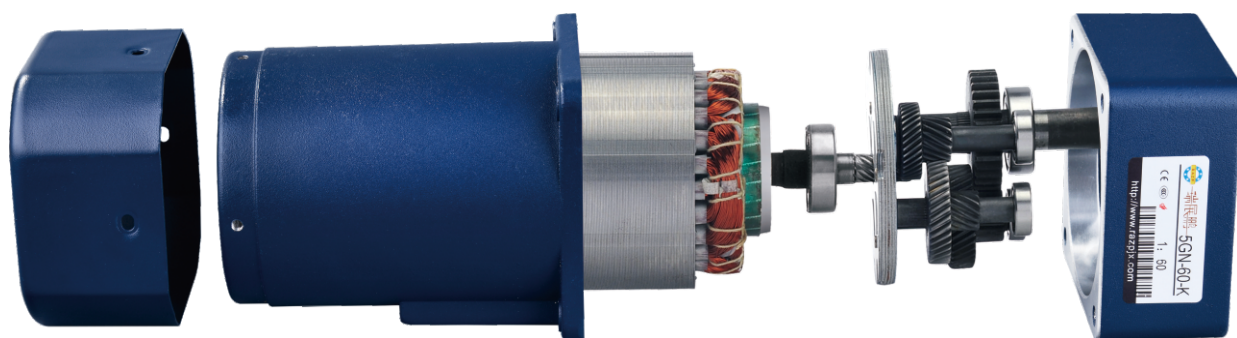
The selection for AC motor and gear

4	R	K	25	GN	A	
↓	↓	↓	↓	↓	↓	↓
外形尺寸 Overall Dimensions	機種 Kinds	馬達系列 Motor Series	出力 Output Force	馬達軸形狀 Motor Axis Shape	電壓極數 Voltage Poles	其它附件 Other Accessories
2:60mm 3:70mm 4:80mm 5:90mm 6:100mm	I:感應式 R:可逆式 T:轉矩馬達	I: Inductive R: Reversible T: Torque Motor	15=15W 20=20W 25=25W 30=30W 40=40W 60=60W 90=90W 120=120W 140=140W 160=160W 180=180W 200=200W 250=250W 370=370W	A圓柱軸 A Cylinder Axis GN螺旋齒軸 (匹配70.80 GN齒輪箱) GN Spiral Toothng Axis (match with GN gear box) GU螺旋齒軸 (匹配90.100 GU齒輪箱) GU Spiral Toothng Axis (match with GU gear box)	A=1 φ 110V4P B=1 φ 110V2P C=1 φ 220V4P D=1 φ 220V2P S=3 φ 220V4P U=3 φ 380V4P W=3 φ 440V4P Y=3 φ 220/380V4P Z=3 φ 220/440V4P H=3 φ 380V2P	F:風扇 F: Fan M:电磁刹车 M: Electromagnetic Brake Z:机械阻尼 Z: mechanical damping T:接线盒 T: Terminal Box P:温度开关 P: Temperature Switch

齒輪型號之選定
The selection for AC motor

4	GN	100	K
↓	↓	↓	↓
外形尺寸 Overall Dimensions	齒輪種類 Kinds of Gears	減速比 Speed Reducing Ratio	齒輪軸承種類 Kinds of Gear Bearings
2:60mm 3:70mm 4:80mm 5:90mm 6:100mm	GN一般形齒輪箱 GN Common Gear Box GU加強形齒輪箱 GU Reinforced Gear Box GS加強形齒輪箱 GS Reinforced Gear Box	1/100 10x表示中間齒輪 10x stands for the intermediate gear	K=滾珠軸承 K= Ball Bearing B=含油軸承 (含銅) B= Oil-retaining Bearing (copper contained) copper alloy

產品模塊化組合體系 MODULAR COMBINED SYSTEM OF PRODUCT





6/10W

60mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque mN.m	額定扭矩 Rated Torque mN.m	額定轉速 Rated Revolution r/min	電容容量/耐壓 Capacity/Ve μ F/VAC
公司型號 JWD types									
2RK-6GN-A	可逆式 Reversible	6	單相 1-phase 110	50	0.26	60	47	1200	4μF/250V
2IK-6GN-A	感應 Induction			60	0.23	55	38	1450	
2RK-6GN-C	可逆式 Reversible			50	0.24	55	47	1200	
2IK-6GN-C	感應 Induction			60	0.25	50	38	1450	
2RK-6GN-C	可逆式 Reversible	6	單相 1-phase 220	50	0.14	55	48	1200	1.0μF/450V
2IK-6GN-C	感應 Induction			50	0.13	50	48	1200	
2RK-10GN-C	可逆式 Reversible			50	0.2	80	79	1200	
2IK-10GN-C	感應 Induction			60	0.23	75	69	1450	
2RK-10GN-C	可逆式 Reversible	10	單相 1-phase 220	50	0.16	80	79	1200	1.0μF/450V
2IK-10GN-C	感應 Induction			60	0.2	75	69	1450	
2RK-10GN-A	可逆式 Reversible			50	0.28	85	78	1200	
2IK-10GN-A	感應 Induction			60	0.31	80	71	1450	
2RK-10GN-A	可逆式 Reversible	10	單相 1-phase 110	50	0.2	85	78	1200	4.5μF/250V
2IK-10GN-A	感應 Induction			60	0.25	85	78	1200	
2RK-10GN-A	可逆式 Reversible			50	0.28	85	78	1200	
2IK-10GN-A	感應 Induction			60	0.29	80	71	1450	

- 上表參數是指電機單體，不附加任何負荷裝置。
 - 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
 - Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

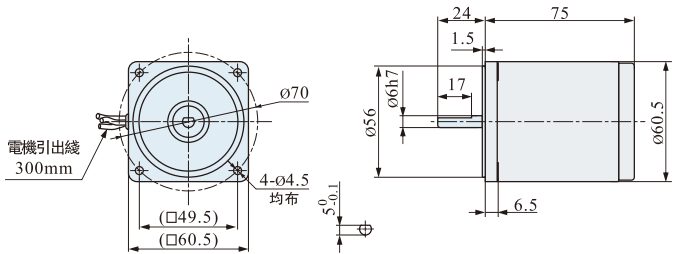
減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	417	300	250	200	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5
	減速比i ratio		3	3.6	5	6	7.5	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
最大允許負載 Max allowable load	6W	kg.cm N.m	1.3 0.13	1.6 0.16	2.32 0.22	2.67 0.26	3.3 0.32	4.5 0.43	5.5 0.53	6.2 0.6	7.3 0.72	8.1 0.8	9.7 0.96	11.2 1.1	13.8 1.38	15.2 1.5	17.1 1.7	21.2 2.1	25.3 2.5	29.6 2.9	3.0				
	10W	kg.cm N.m	2.1 0.2	2.51 0.25	3.42 0.34	4.1 0.4	5.3 0.51	6.7 0.67	8.7 0.86	10.1 1.0	11.6 1.15	12.9 1.28	16.2 1.6	19.2 1.92	23.1 2.3	26.2 2.6	28.2 2.8	3.0							

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
 - 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
 - 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in2~15%.
 - Hope to the table of the reduction ratio is greater than the further reduction,it would be installed between the motor and the reducer reduction ratiio of 10 the middle of the reducer.
 - When the load torque exceeds the maximum allowable load torque gear motor,and a locked rotor situation exists,please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

圓軸型

Circular shaft type

2IK-6A-C 2RK-6A-C
2IK-6A-A 2RK-6A-C



結構：電動機
重量：0.85kg

Structure: Electric motor
Weight: 0.85kg

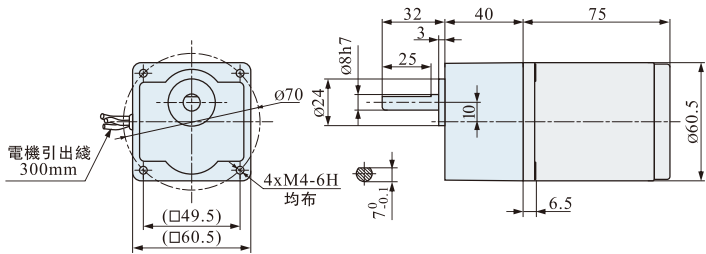
定速型

Optical axis type

齒輪品名

Name of Gear 2GN □K

2IK-6GN-C 2RK-6GN-C
2IK-6GN-A 2RK-6GN-A



結構：減速器+電動機
重量：1.17kg
減速比：1:3-1:200

Structure: Reducer+Electric motor
Weight: 1.17kg
Speed Reducing Ratio: 1:3-1:200

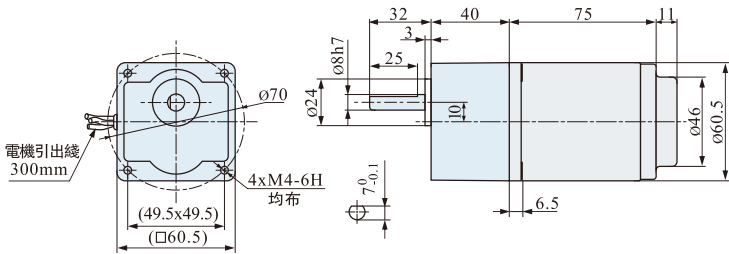
調速型

Speed regulation type

齒輪品名

Name of Gear 2GN □K

2IK-6RGN-C 2RK-6RGN-C
2IK-6RGN-A 2RK-6RGN-A



結構：減速器+電動機+調速器
重量：1.2kg
減速比：1:3-1:200

Structure: Reducer+Electric motor+Speed governor
Weight: 1.2kg
Speed Reducing Ratio: 1:3-1:200



15/20W

70mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μ F/VAC
公司型號 JWD types						mN.m	gf.cm	mN.m	gf.cm		
3IK15GN-C 3IK15A-C	感應 Induction	15	單相 1-phase 220	50	0.15	143	1430	115	1150	1250	1.2/450
				60	0.14	120	1200	95.5	955	1500	1.2/450
3RK15GN-C 3RK15A-C	可逆 Reversible			50	0.16	187	1870	150	1500	1250	1.5/450
				60	0.18	158	1580	127	1270	1500	1.5/450
3IK15GN-A 3IK15A-A	感應 Induction	15	單相 1-phase 110	50	0.33	143	1430	115	1150	1250	5/250
				60	0.30	120	1200	95.5	955	1500	5/250
3RK15GN-A 3RK15A-A	可逆 Reversible			50	0.36	187	1870	150	1500	1250	6/250
				60	0.38	158	1580	127	1270	1500	6/250
3IK15GN-U 3IK15A-U	——	15	三相 3-phase 380	50	0.06	143	1430	115	1150	1250	——
				60	0.055	120	1200	95.5	955	1500	——
3RK15GN-S 3RK15A-S	——	15	三相 3-phase 220	50	0.1	143	1430	115	1150	1250	——
				60	0.1	120	1200	95.5	955	1500	——
3IK20GN-C 3IK20A-C	感應 Induction	20	單相 1-phase 220	50	0.22	187	1870	150	1500	1250	2/450
				60	0.22	158	1580	127	1270	1500	2/450
3RK20GN-C 3RK20A-C	可逆 Reversible			50	0.26	187	1870	150	1500	1300	2.5/450
				60	0.28	158	1580	127	1270	1550	2.5/450
3IK20GN-A 3IK20N-A	感應 Induction	20	單相 1-phase 110	50	0.45	187	1870	150	1500	1250	8/250
				60	0.46	158	1580	127	1270	1500	8/250
3RK20GN-A 3RK20A-A	可逆 Reversible			50	0.54	187	1870	150	1500	1300	10/250
				60	0.58	158	1580	127	1270	1550	9/250

- 上表參數是指電機單體，不附加任何負荷裝置。
 - 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
 - Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

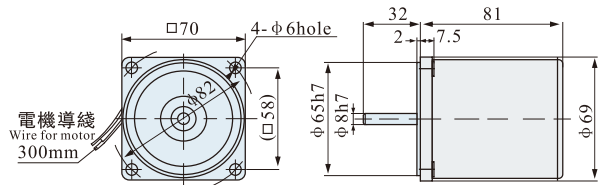
減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	250	200	150	120	100	75	60	50	40	35	30	25	20	15	12	10	8	7.5	6	5		
	減速比i ratio		3	5	6	7.5	10	12.5	15	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300		
最大允許負載 Max allowable load	15W	kg.cm N.m	2.86 0.28	4.81 0.48	5.67 0.56	7.51 0.75	9.46 0.93	11.8 1.18	14.7 1.47	17 1.67	21.5 2.15	23.5 2.35	30.6 3.01	34.1 3.34	39.27 3.92	47.1 4.7	50 4.9									
	20W	kg.cm N.m	3.52 0.35	5.80 0.58	7.56 0.75	8.74 0.87	12.6 1.24	14.5 1.45	17.15 1.71	22.6 2.23	26.1 2.61	30.4 3.04	40.8 4.01	45.5 4.4	50 4.9											

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction,it would be installed between the motor and the reducer reduction ratiio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor,and a locked rotor situation exists,please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

圓軸型

Circular shaft type

3IK15A-A 3RK15A-A
3IK15A-C 3RK15A-C
3IK15A-Y 3RK15A-Y



結構：電動機 Structure: Electric motor
重量：1.1kg Weight: 1.1kg

定速型

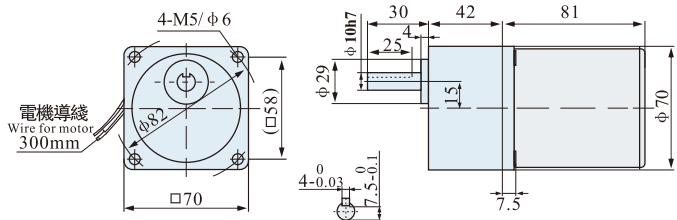
Optical axis type

齒輪品名

Name of Gear

3GN□K

3IK15GN-A 3RK15GN-A
3IK15GN-C 3RK15GN-C
3IK15GN-CZ 3RK15GN-CZ
3IK15GN-Y 3RK15GN-Y



結構：減速器+電動機
重量：1.6kg
減速比：1:3-1:250
Structure: Reducer+Electric motor
Weight: 1.6kg
Speed Reducing Ratio : 1:3-1:250

剎車定速型

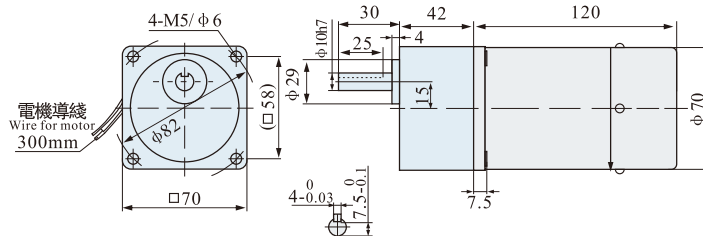
Brake Optical axis type

齒輪品名

Name of Gear

3GN□K

3IK15GN-AM 3RK15GN-AM
3IK15GN-CM 3RK15GN-CM
3IK15GN-YM 3RK15GN-YM



結構：減速器+電動機+剎車器
重量：1.9kg
減速比：1:3-1:250
Structure: Reducer+Electric motor+Brake
Weight: 1.9kg
Speed Reducing Ratio : 1:3-1:250

調速型

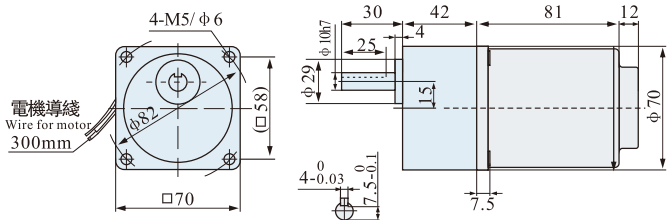
Speed regulation type

齒輪品名

Name of Gear

3GN□K

3RK15RGN-A 3IK15RGN-A
3IK15RGN-C 3IK15RGN-C



結構：減速器+電動機+調速器
重量：1.7kg
減速比：1:3-1:250
Structure: Reducer+Electric motor+Brake+Speed governor
Weight: 1.7kg
Speed Reducing Ratio : 1:3-1:250

剎車調速型

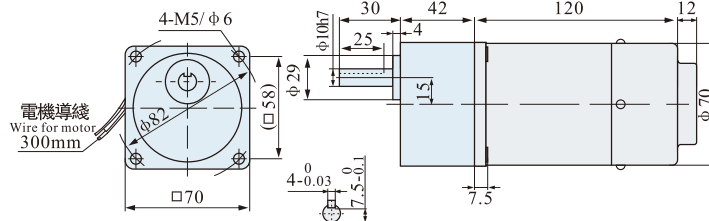
Brake Speed regulation type

齒輪品名

Name of Gear

3GN□K

3IK15RGN-CM 3RK15RGN-CM
3IK15RGN-AM 3RK15RGN-AM



結構：減速器+電動機+剎車器+調速器
重量：2.0kg
減速比：1:3-1:250
Structure: Reducer+Electric motor+Brake+Speed governor
Weight: 2.0kg
Speed Reducing Ratio : 1:3-1:250



25/30W

80mm

電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μ F/VAC
公司型號 JWD types						mN.m	gf.cm	mN.m	gf.cm		
4IK25GN-C 4IK25A-C	感應 Induction	25	單相 1-phase 220	50	0.22	231	2310	185	1850	1250	1.5/450
4RK25GN-C 4RK25A-C	可逆 Reversible			60	0.21	192	1920	154	1540	1550	1.5/450
				50	0.24	231	2310	185	1850	1250	2/450
				60	0.26	192	1920	154	1540	1550	2/450
4IK25GN-A 4IK25A-A	感應 Induction	25	單相 1-phase 110	50	0.48	231	2310	185	1850	1250	6/250
4RK25GN-A 4RK25A-A	可逆 Reversible			60	0.46	192	1920	154	1540	1550	6/250
				50	0.50	231	2310	185	1850	1250	8/250
				60	0.56	192	1920	154	1540	1550	8/250
4IK25GN-U 4IK25A-U	—	25	三相 3-phase 380	50	0.14	231	2310	185	1850	1250	—
4RK25GN-S 4RK25A-S	—	25	三相 3-phase 220	60	0.12	192	1920	154	1540	1550	—
				50	0.24	231	2310	185	1850	1250	—
4RK25A-S				60	0.225	192	1920	154	1540	1550	—
4IK30GN-C 4IK30A-C	感應 Induction	30	單相 1-phase 220	50	0.28	275	2750	220	2200	1250	2.2/450
4RK30GN-C 4RK30A-C	可逆 Reversible			60	0.3	231	2310	185	1850	1550	2.2/450
				50	0.3	275	2750	220	2200	1250	2.5/450
				60	0.32	231	2310	185	1850	1550	2.5/450
4IK30GN-A 4IK30A-A	感應 Induction	30	單相 1-phase 110	50	0.58	275	2750	220	2200	1250	8/250
4RK30GN-A 4RK30A-A	可逆 Reversible			60	0.60	231	2310	185	1850	1550	8/250
				50	0.60	275	2750	220	2200	1250	10/250
				60	0.65	231	2310	185	1850	1550	10/250

- 上表參數是指電機單體，不附加任何負荷裝置。
 - 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
 - Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	250	200	150	120	100	83	75	60	50	40	35	30	25	20	15	12	10	8	7	6	5		
	減速比i ratio		3	5	6	7.5	10	12.5	15	18	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300		
最大允許負載 Max allowable load	25W	$\frac{\text{kg}\cdot\text{cm}}{\text{N}\cdot\text{m}}$	4.5 0.45	7.9 0.79	9.46 0.93	12 1.18	15.7 1.55	19 1.86	23 2.25	28.4 2.78	31.5 3.1	35 3.43	42 4.12	51.1 5.01	56.7 5.57	62 6.18	76.6 7.52	80 7.84									
	30W	$\frac{\text{kg}\cdot\text{cm}}{\text{N}\cdot\text{m}}$	5.7 0.56	8.1 0.8	11.3 1.1	14.2 1.39	18.9 1.85	23.6 2.32	28.3 2.78	34 3.34	37.8 3.7	42.5 4.17	51.1 5.01	60.2 6.01	68.1 6.68	65.7 6.5	80 7.84										

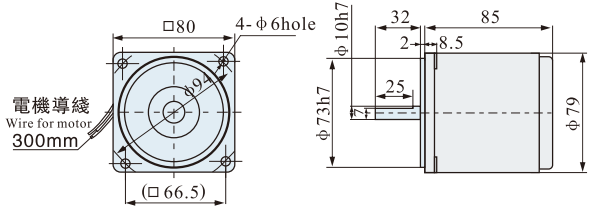
- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。

- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction,it would be installed between the motor and the reducer reduction ratiio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor,and a locked rotor situation exists,please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

圓軸型

Circular shaft type

4IK25A-A	4RK25A-A
4IK25A-C	4RK25A-C
4IK25A-Y	4RK25A-Y



結構：電動機
重量：1.5kg
Structure: Electric motor
Weight: 1.5kg

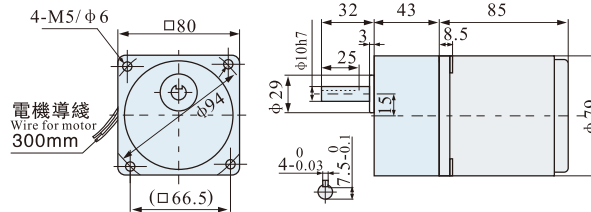
定速型

Optical axis type

齒輪品名

Name of Gear 4GN□K

4IK25GN-A	4RK25GN-A
4IK25GN-C	4RK25GN-C
4IK25GN-CZ	4RK25GN-CZ
4IK25GN-Y	4RK25GN-Y



結構：減速器+電動機
重量：2.1kg
減速比：1:3~1:300
Structure: Reducer+Electric motor
Weight: 2.1kg
Speed Reducing Ratio : 1:3-1:300

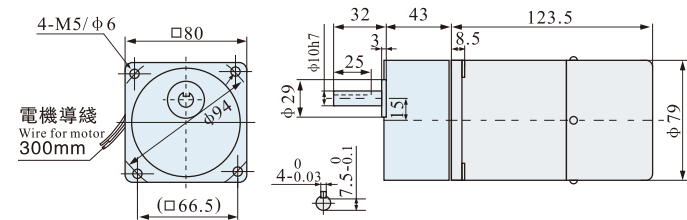
剎車定速型

Brake Optical axis type

齒輪品名

Name of Gear 4GN□K

4IK25GN-AM	4RK25GN-AM
4IK25GN-CM	4RK25GN-CM
4IK25GN-YM	4RK25GN-YM



結構：減速器+電動機+剎車器
重量：2.4kg
減速比：1:3~1:300
Structure: Reducer+Electric motor+Brake
Weight: 2.4kg
Speed Reducing Ratio : 1:3-1:300

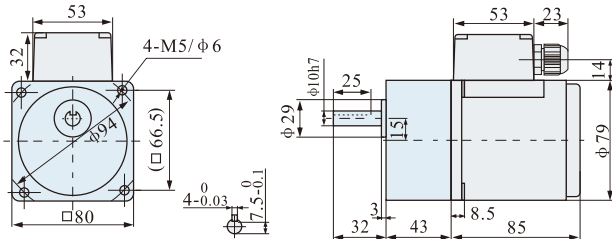
帶端子箱型

With terminal box type

齒輪品名

Name of Gear 4GN□K

4IK25GN-AT	4RK25GN-AT
4IK25GN-CT	4RK25GN-CT
4IK25GN-UT	4RK25GN-UT
4IK25GN-ST	4RK25GN-ST



結構：減速器+電動機+端子箱
重量：2.2kg
減速比：1:3~1:300
Structure: Reducer+Electric motor+Terminal box
Weight: 2.2kg
Speed Reducing Ratio : 1:3-1:300

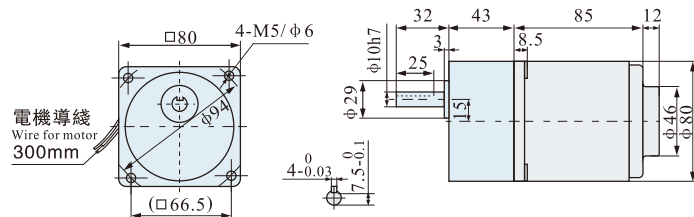
調速型

Speed regulation type

齒輪品名

Name of Gear 4GN□K

4IK25RGN-A	4RK25RGN-A
4IK25RGN-C	4RK25RGN-C



結構：減速器+電動機+調速器
重量：2.2kg
減速比：1:3~1:300
Structure: Reducer+Electric motor+Speed governor
Weight: 2.2kg
Speed Reducing Ratio : 1:3-1:300

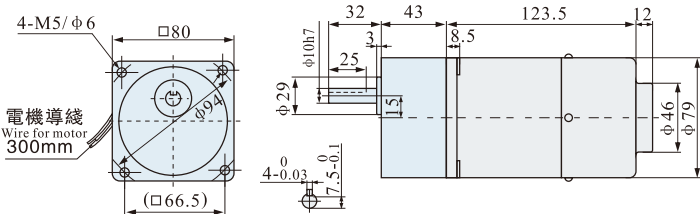
剎車調速型

Brake Speed regulation type

齒輪品名

Name of Gear 4GN□K

4IK25RGN-AM	4RK25RGN-AM
4IK25RGN-CM	4RK25RGN-CM



結構：減速器+電動機+剎車器+調速器
重量：2.5kg
減速比：1:3~1:300
Structure: Reducer+Electric motor+Brake+Speed governor
Weight: 2.5kg
Speed Reducing Ratio : 1:3-1:300



40W

90mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容容量/耐壓 Capacity/Ve μ F/VAC
公司型號 JWD types						mN.m	gf.cm	mN.m	gf.cm		
5IK40GU-C 5IK40A-C	感應 Induction	40	單相 1-phase 220	50	0.35	367	3670	294	2940	1300	2.5/450
				60	0.33	307	3070	246	2460	1550	2.5/450
5RK40GU-C 5RK40A-C	可逆 Reversible			50	0.38	367	3670	294	2940	1300	3.0/450
				60	0.4	307	3070	246	2460	1550	3.0/450
5IK40GU-A 5IK40A-A	感應 Induction	40	單相 1-phase 110	50	0.70	367	3670	294	2940	1300	10/250
				60	0.72	307	3070	246	2460	1550	10/250
5RK40GU-A 5RK40A-A	可逆 Reversible			50	0.76	367	3670	294	2940	1300	12/250
				60	0.80	307	3070	246	2460	1550	12/250
5IK40GU-U 5IK40A-U	——	40	三相 3-phase 380	50	0.24	367	3670	294	2940	1300	——
				60	0.22	307	3070	246	2460	1550	——
5RK40GU-S 5RK40A-S	——	40	三相 3-phase 220	50	0.42	367	3670	294	2940	1300	——
				60	0.38	307	3070	246	2460	1550	——

- 上表參數是指電機單體，不附加任何負荷裝置。
 - 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
 - Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

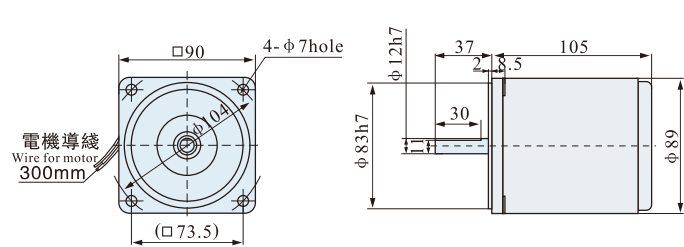
減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	250	200	150	120	100	75	60	50	40	35	30	25	20	15	12	10	8	7	6	5	3
	減速比i ratio		3	5	6	7.5	10	12.5	15	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300	500
最大允許負載 Max allowable load	40W	kg.cm N.m	7.3 0.72	12 1.18	14.5 1.43	18 1.77	24.2 2.4	30 2.94	36 3.53	43.6 4.28	55 5.0	65.5 6.24	78 7.7	87 8.57	98 9.64	100 9.81									

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
 - 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
 - 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
 - Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
 - When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

圓軸型

Circular shaft type

5IK40A-A	5RK40A-A
5IK40A-C	5RK40A-C
5IK40A-Y	5RK40A-Y



結構：電動機
重量：2.3kg

Structure: Electric motor
Weight: 2.3kg

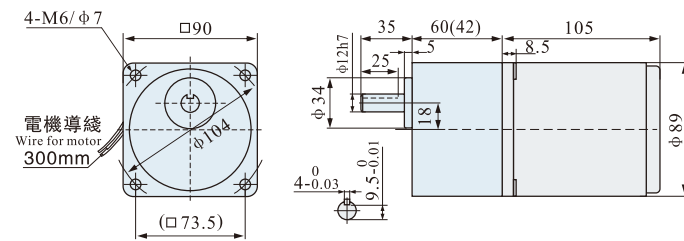
定速型

Optical axis type

齒輪品名

Name of Gear 5GU□K

5IK40GU-A	5RK40GU-A
5IK40GU-C	5RK40GU-C
5IK40GU-CZ	5RK40GU-CZ
5IK40GU-Y	5RK40GU-Y



結構：減速器+電動機
重量：3.4kg
減速比：1:3~1:500

Structure: Reducer+Electric motor
Weight: 3.4kg
Speed Reducing Ratio : 1:3-1:500

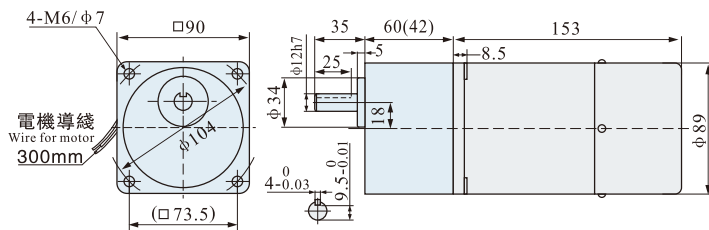
剎車定速型

Brake Optical axis type

齒輪品名

Name of Gear 5GU□K

5IK40GU-AM	5RK40GU-AM
5IK40GU-CM	5RK40GU-CM
5IK40GU-YM	5RK40GU-YM



結構：減速器+電動機+剎車器
重量：3.7kg
減速比：1:3~1:500

Structure: Reducer+Electric motor+Brake
Weight: 3.7kg
Speed Reducing Ratio : 1:3-1:500

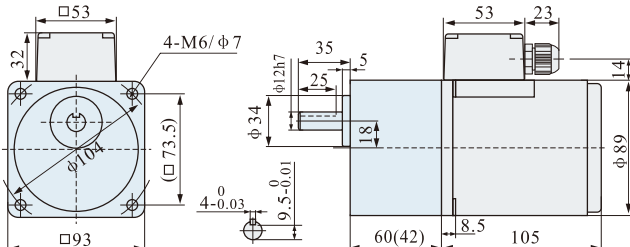
帶端子箱型

With terminal box type

齒輪品名

Name of Gear 5GU□K

5IK40GM-AT	5RK40GM-AT
5IK40GM-CT	5RK40GM-CT
5IK40GM-U(Y)T	5RK40GM-U(Y)T
5IK40GM-ST	5RK40GM-ST



結構：減速器+電動機+端子箱
重量：3.5kg
減速比：1:3~1:500

Structure: Reducer+Electric motor+Terminal box
Weight: 3.5kg
Speed Reducing Ratio : 1:3-1:500

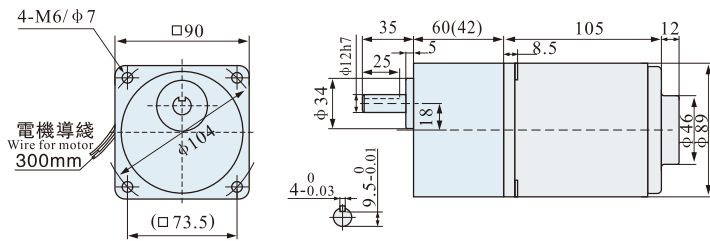
調速型

Speed regulation type

齒輪品名

Name of Gear 5GU□K

5IK40RGU-A	5RK40RGU-A
5IK40RGU-C	5RK40RGU-C



結構：減速器+電動機+調速器
重量：3.5kg
減速比：1:3~1:500

Structure: Reducer+Electric motor+Speed governor
Weight: 3.5kg
Speed Reducing Ratio : 1:3-1:500

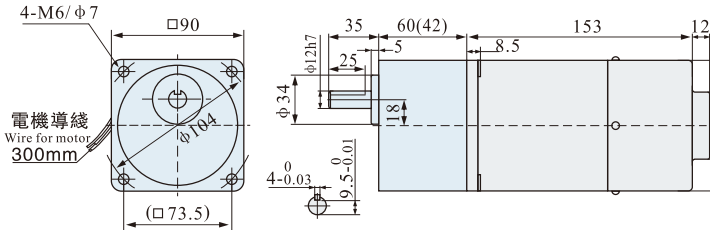
剎車調速型

Brake Speed regulation type

齒輪品名

Name of Gear 5GU□K

5IK40RGU-AM	5RK40RGU-AM
5IK40RGU-CM	5RK40RGU-CM



結構：減速器+電動機+剎車器+調速器
重量：3.8kg
減速比：1:3~1:500

Structure: Reducer+Electric motor+Brake+Speed governor
Weight: 3.8kg
Speed Reducing Ratio : 1:3-1:500



60W
90mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μF/VAC
公司型號 JWD types						mN.m	gf.cm	mN.m	gf.cm		
5IK60GU-CF 5IK60A-CF	感應 Induction	60	單相 1-phase 220	50	0.45	551	5510	441	4410	1350	3.5/450
				60	0.48	462	4620	370	3700	1550	3.5/450
5RK60GU-CF 5RK60A-CF	可逆 Reversible	60	單相 1-phase 220	50	0.5	837	8370	670	6700	1350	4/450
				60	0.52	692	6920	554	5540	1550	4/450
5IK60GU-AF 5IK60A-AF	感應 Induction	60	單相 1-phase 110	50	0.90	551	5510	441	4410	1350	14/250
				60	0.88	462	4620	370	3700	1550	14/250
5RIK60GU-AF 5RK60A-AF	可逆 Reversible	60	單相 1-phase 110	50	1.0	837	8370	670	6700	1350	16/250
				60	1.2	692	6920	554	5540	1550	16/250
5IK60GU-UF 5IK60A-UF	—	60	三相 3-phase 380	50	0.30	551	5510	441	4410	1350	—
				60	0.28	462	4620	370	3700	1550	—
5RK60GU-SF 5RK60A-SF	—	60	三相 3-phase 220	50	0.52	551	5510	441	4410	1350	—
				60	0.48	462	4620	370	3700	1550	—

- 上表參數是指電機單體，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter		同步轉速r/mn Synchronous speed		500	375	300	250	200	150	120	100	75	60	50	40	35	30	25	20	15	12	10	8	7	6	5	3
		減速比i ratio		3	4	5	6	7.5	10	12.5	15	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300	500
最大允許負載 Max allowable load		60W	kg.cm	11	14.6	18	21.8	27	36	41	50	65	81	98	117	130	147	200 19.6									
			N.m	1.08	1.42	1.77	2.14	2.64	3.57	4.02	4.80	6.24	8.03	9.64	11.5	12.8	14.4										

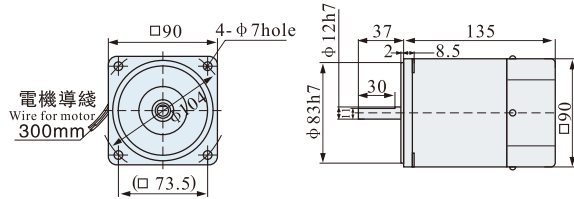
- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。

- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

圓軸型

Circular shaft type

5IK60A-AF	5RK60A-AF
5IK60A-CF	5RK60A-CF
5IK60A-YF	5RK60A-YF



結構：電動機
重量：2.6kg
Structure: Electric motor
Weight: 2.6kg

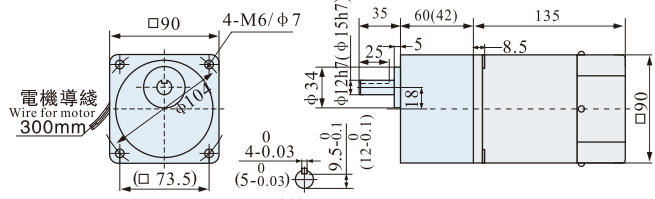
定速型

Optical axis type

齒輪品名

Name of Gear 5GU□K

5IK60GU-AF	5RK60GU-AF
5IK60GU-CF	5RK60GU-CF
5IK60GU-YF	5RK60GU-YF



結構：減速器+電動機
重量：3.8kg
減速比：1:3~1:500
Structure: Reducer+Electric motor
Weight: 3.8kg
Speed Reducing Ratio : 1:3-1:500

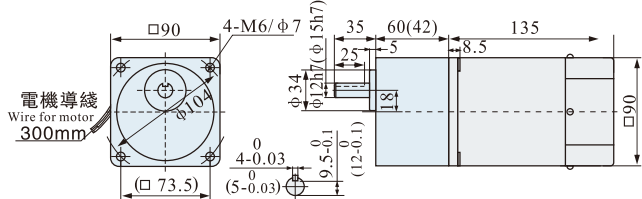
調速型

Speed regulation type

齒輪品名

Name of Gear 5GU□K

5IK60RGU-AF	5RK60RGU-AF
5IK60RGU-CF	5RK60RGU-CF



結構：減速器+電動機+調速器
重量：3.9kg
減速比：1:3~1:500
Structure: Reducer+Electric motor+Speed governor
Weight: 3.9kg
Speed Reducing Ratio : 1:3-1:500

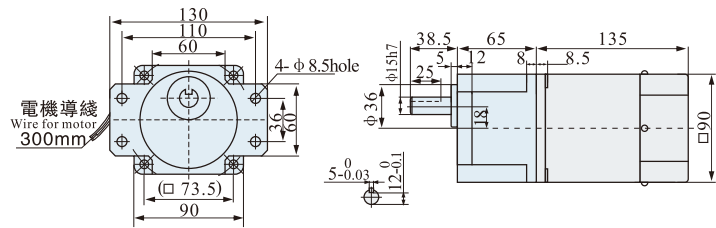
90GS定速型

Optical axis type

齒輪品名

Name of Gear 5GS□K

5IK60GU-AF	5RK60GU-AF
5IK60GU-CF	5RK60GU-CF
5IK60GU-YF	5RK60GU-YF
5IK60GU-SF	5RK60GU-SF

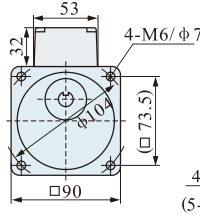


結構：減速器+電動機+調速器
重量：3.9kg
減速比：1:3~1:500
Structure: Reducer+Electric motor+Speed governor
Weight: 3.9kg
Speed Reducing Ratio : 1:3-1:500

帶端子箱型

With terminal box type

5IK60GU-AFT
5IK60GU-CFT
5IK60GU-U(Y)FT
5IK60GU-SFT

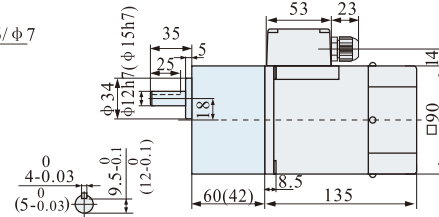


結構：減速器+電動機+端子箱
重量：3.9kg
減速比：1:3~1:500
Structure: Reducer+Electric motor+Terminal box
Weight: 3.9kg
Speed Reducing Ratio : 1:3-1:500

齒輪品名 5GU□K

Name of Gear

5RK60GU-AFT
5RK60GU-CFT
5RK60GU-U(Y)FT
5RK60GU-SFT



結構：減速器+電動機+端子箱
重量：3.9kg
減速比：1:3~1:500
Structure: Reducer+Electric motor+Terminal box
Weight: 3.9kg
Speed Reducing Ratio : 1:3-1:500

剎車定速型

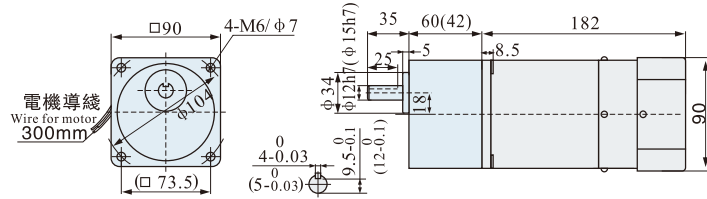
Brake Optical axis type

齒輪品名

Name of Gear 5GU□K

5IK60GU-AFM
5IK60GU-CFM
5IK60GU-YFM

5RK60GU-AFM
5RK60GU-CFM
5RK60GU-YFM



結構：減速器+電動機+剎車器
重量：4kg
減速比：1:3~1:500
Structure: Reducer+Electric motor+Brake
Weight: 4kg
Speed Reducing Ratio : 1:3-1:500

剎車調速型

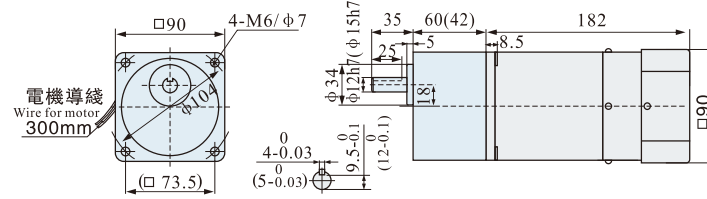
Brake Speed regulation type

齒輪品名

Name of Gear 5GU□K

5IK60RGU-AFM
5IK60RGU-CFM

5RK60RGU-AFM
5RK60RGU-CFM



結構：減速器+電動機+剎車器+調速器
重量：4.1kg
減速比：1:3~1:500
Structure: Reducer+Electric motor+Brake
+Speed governor
Weight: 4.1kg
Speed Reducing Ratio : 1:3-1:500

90GS帶端子箱型

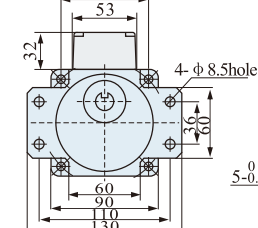
With terminal box type

5IK60GU-AFT
5IK60GU-CFT
5IK60GU-U(Y)FT
5IK60GU-SFT

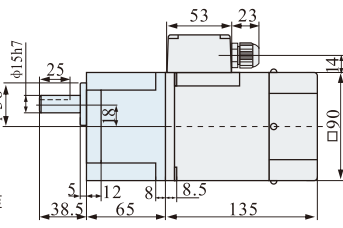
齒輪品名

Name of Gear 5GS□K

5RK60GU-AFT
5RK60GU-CFT
5RK60GU-U(Y)FT
5RK60GU-SFT



結構：減速器+電動機+端子箱
重量：4kg
減速比：1:3~1:500
Structure: Reducer+Electric motor+Terminal box
Weight: 4kg
Speed Reducing Ratio : 1:3-1:500



結構：減速器+電動機+端子箱
重量：4kg
減速比：1:3~1:500
Structure: Reducer+Electric motor+Terminal box
Weight: 4kg
Speed Reducing Ratio : 1:3-1:500



90/120W

90mm

電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μ F/VAC
公司型號 JWD types						mN.m	gf.cm	mN.m	gf.cm		
5IK90GU-CF 5IK90A-CF	感應 Induction 可逆 Reversible	90	單相 1-phase 220	50	0.62	837	8370	670	6700	1350	5/450
				60	0.60	692	6920	554	5540	1550	5/450
5RK90GU-CF 5RK90A-CF				50	0.68	837	8370	670	6700	1350	6/450
				60	0.72	692	6920	554	5540	1550	6/450
5IK90GU-AF 5IK90A-AF	感應 Induction 可逆 Reversible	90	單相 1-phase 110	50	1.25	837	8370	670	6700	1350	20/250
				60	1.2	692	6920	554	5540	1550	18/250
5RK90GU-AF 5RK90A-AF				50	1.38	837	8370	670	6700	1350	24/250
				60	1.5	692	6920	554	5540	1550	24/250
5IK90GU-UF 5IK90A-UF	—	90	三相 3-phase 380	50	0.32	837	8370	670	6700	1350	—
				60	0.3	692	6920	554	5540	1500	—
5RK90GU-SF 5RK90A-SF	—	90	三相 3-phase 220	50	0.55	837	8370	670	6700	1350	—
				60	0.48	692	6920	554	5540	1500	—
5IK120GU-CF 5IK120A-CF	感應 Induction 可逆 Reversible	120	單相 1-phase 220	50	0.85	1137	11370	910	9100	1350	6/450
				60	0.82	955	9550	764	7640	1500	6/450
5RK120GU-CF 5RK120A-CF				50	0.95	1137	11370	910	9100	1350	8/450
				60	1.0	955	9550	764	7640	1500	8/450
5IK120GU-AF 5IK120A-AF	感應 Induction 可逆 Reversible	120	單相 1-phase 110	50	1.7	1137	11370	910	9100	1350	24/250
				60	1.65	955	9550	764	7640	1500	24/250
5RK120GU-AF 5RK120A-AF				50	1.9	1137	11370	910	9100	1350	30/250
				60	2.1	955	9550	764	7640	1500	30/250
5RK120GU-UF 5RK120A-UF	—	120	三相 3-phase 380	50	0.34	1137	11370	910	9100	1350	—
				60	0.31	955	9550	764	7640	1500	—
5RK120GU-SF 5RK120A-SF	—	120	三相 3-phase 220	50	0.59	1137	11370	910	9100	1350	—
				60	0.54	955	9550	764	7640	1500	—

- 上表參數是指電機單體，不附加任何負荷裝置。
 - 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
 - Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	250	200	150	120	100	75	60	50	45	37.5	30	25	20	15	12.5	10	8	7.5	6	5	3
	減速比i ratio		3	5	6	7.5	10	12.5	15	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300	500
最大允許負載 Max allowable load	90W	kg.cm N.m	15.7 1.54	26.5 2.6	31.5 3.1	39.4 3.86	52.5 5.15	65.7 6.44	71 6.96	94.6 9.28	118 11.6	141 13.9	170 16.7	189 18.5	200 19.6										
	120W	kg.cm N.m	21.5 2.11	36 3.52	42 4.13	54 5.28	70 6.88	87.5 8.59	98 9.6	126 12.4	148 14.5	189 18.5	200 19.6												

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情况存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。

- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of of.Actual speed will vary the size of the load changes in less than the values shown in2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction,it would be installed between the motor and the reducer reduction ratiio of 10 the middle of the reducer.

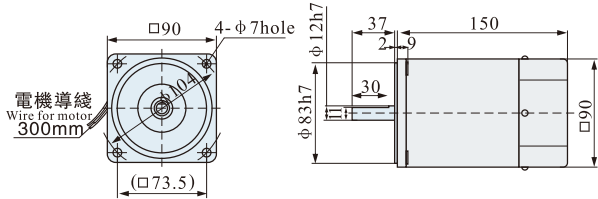
- When the load torque exceeds the maximum allowable load torque gear motor,and a locked rotor situation exists,please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.



圓軸型

Circular shaft type

5IK90(120)A-AF 5RK90(120)A-AF
5IK90(120)A-CF 5RK90(120)A-CF
5IK90(120)A-YF 5RK90(120)A-YF



結構：電動機
重量：3.1kg

Structure: Electric motor
Weight: 3.1kg

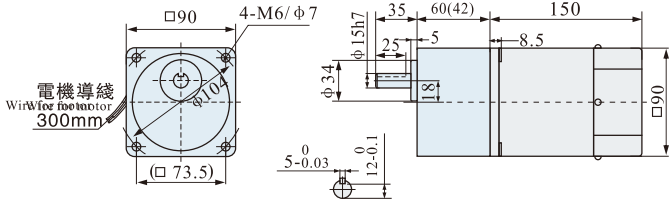
定速型

Optical axis type

齒輪品名

Name of Gear 5GU □K

5IK90(120)GU-AF 5RK90(120)GU-AF
5IK90(120)GU-CF 5RK90(120)GU-CF
5IK90(120)GU-U(Y)F 5RK90(120)GU-U(Y)F
5IK90(120)GU-SF 5RK90(120)GU-SF



結構：減速器+電動機
重量：3.8kg
減速比：1:3~1:500

Structure: Reducer+Electric motor
Weight: 3.8kg
Speed Reducing Ratio : 1:3-1:500

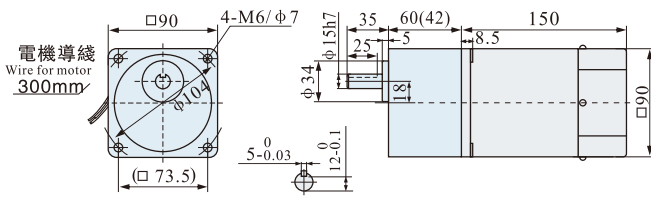
調速型

Speed regulation type

齒輪品名

Name of Gear 5GU □K

5IK90(120)RGU-AF 5RK90(120)RGU-AF
5IK90(120)RGU-CF 5RK90(120)RGU-CF



結構：減速器+電動機+調速器
重量：3.9kg
減速比：1:3~1:500

Structure: Reducer+Electric motor+Speed governor
Weight: 3.9kg
Speed Reducing Ratio : 1:3-1:500

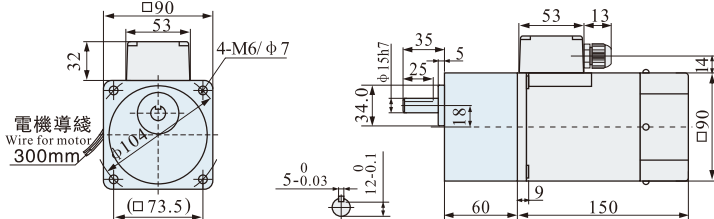
90GU帶端子箱型

With terminal box type

齒輪品名

Name of Gear 5GU □K

5IK90(120)GU-AFT 5RK90(120)GU-AFT
5IK90(120)GU-CFT 5RK90(120)GU-CFT
5IK90(120)GU-U(Y)FT 5RK90(120)GU-U(Y)FT
5IK90(120)GU-SFT 5RK90(120)GU-SFT



結構：減速器+電動機+端子箱
重量：4.3kg
減速比：1:3~1:500

Structure: Reducer+Electric motor+Terminal box
Weight: 4.3kg
Speed Reducing Ratio : 1:3-1:500

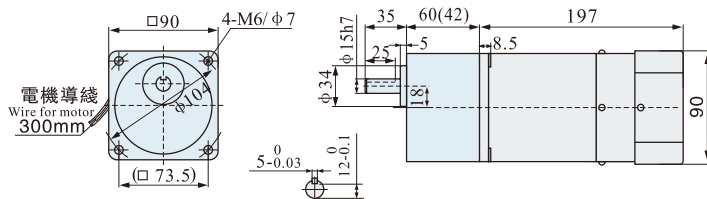
剎車定速型

Brake Optical axis type

齒輪品名

Name of Gear 5GU □K

5IK90(120)GU-AFM 5RK90(120)GU-AFM
5IK90(120)GU-CFM 5RK90(120)GU-CFM
5IK90(120)GU-U(Y)FM 5RK90(120)GU-U(Y)FM
5IK90(120)GU-SFM 5RK90(120)GU-SFM



結構：減速器+電動機+剎車器
重量：4kg
減速比：1:3~1:500

Structure: Reducer+Electric motor+Brake
Weight: 4kg
Speed Reducing Ratio : 1:3-1:500

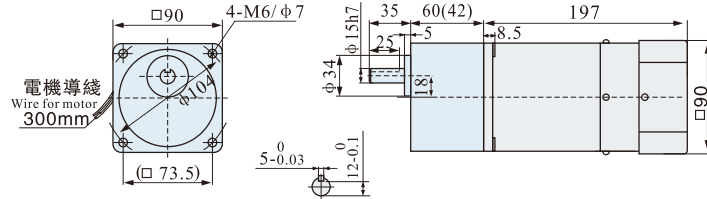
剎車調速型

Brake Speed regulation type

齒輪品名

Name of Gear 5GU □K

5IK90(120)RGU-AFM 5RK90(120)RGU-AFM
5IK90(120)RGU-CFM 5RK90(120)RGU-CFM



結構：減速器+電動機+剎車器+調速器
重量：4.1kg
減速比：1:3~1:500

Structure: Reducer+Electric motor+Brake
+Speed governor
Weight: 4.1kg
Speed Reducing Ratio : 1:3-1:500



90/120W

90mm

電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μ F/VAC
公司型號 JWD types						mN.m	gf.cm	mN.m	gf.cm		
5IK90GU-CF 5IK90A-CF	感應 Induction	90	單相 1-phase 220	50	0.62	837	8370	670	6700	1350	5/450
				60	0.60	692	6920	554	5540	1550	5/450
5RK90GU-CF 5RK90A-CF	可逆 Reversible			50	0.68	837	8370	670	6700	1350	6/450
				60	0.72	692	6920	554	5540	1550	6/450
5IK90GU-AF 5IK90A-AF	感應 Induction	90	單相 1-phase 110	50	1.25	837	8370	670	6700	1350	20/250
				60	1.2	692	6920	554	5540	1550	18/250
5RK90GU-AF 5RK90A-AF	可逆 Reversible			50	1.38	837	8370	670	6700	1350	24/250
				60	1.5	692	6920	554	5540	1550	24/250
5IK90GU-UF 5IK90A-UF	——	90	三相 3-phase 380	50	0.32	837	8370	670	6700	1350	——
				60	0.3	692	6920	554	5540	1500	——
5RK90GU-SF 5RK90A-SF	——	90	三相 3-phase 220	50	0.55	837	8370	670	6700	1350	——
				60	0.48	692	6920	554	5540	1500	——
5IK120GU-CF 5IK120A-CF	感應 Induction	120	單相 1-phase 220	50	0.85	1137	11370	910	9100	1350	6/450
				60	0.82	955	9550	764	7640	1500	6/450
5RK120GU-CF 5RK120A-CF	可逆 Reversible			50	0.95	1137	11370	910	9100	1350	8/450
				60	1.0	955	9550	764	7640	1500	8/450
5IK120GU-AF 5IK120A-AF	感應 Induction	120	單相 1-phase 110	50	1.7	1137	11370	910	9100	1350	24/250
				60	1.65	955	9550	764	7640	1500	24/250
5RK120GU-AF 5RK120A-AF	可逆 Reversible			50	1.9	1137	11370	910	9100	1350	30/250
				60	2.1	955	9550	764	7640	1500	30/250
5RK120GU-UF 5RK120A-UF	——	120	三相 3-phase 380	50	0.34	1137	11370	910	9100	1350	——
				60	0.31	955	9550	764	7640	1500	——
5RK120GU-SF 5RK120A-SF	——	120	三相 3-phase 220	50	0.59	1137	11370	910	9100	1350	——
				60	0.54	955	9550	764	7640	1500	——

- 上表參數是指電機單體，不附加任何負荷裝置。
 - 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
 - Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	250	200	150	120	100	75	60	50	45	37.5	30	25	20	15	12.5	10	8	7.5	6	5	3
	減速比i ratio		3	5	6	7.5	10	12.5	15	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300	500
最大允許負載 Max allowable load	90W	kg.cm	15.7	26.5	31.5	39.4	52.5	65.7	71	94.6	118	141	170	189	200										
		N.m	1.54	2.6	3.1	3.86	5.15	6.44	6.96	9.28	11.6	13.9	16.7	18.5	19.6										
	120W	kg.cm	21.5	36	42	54	70	87.5	98	126	148	189	200												
		N.m	2.11	3.52	4.13	5.28	6.88	8.59	9.6	12.4	14.5	18.5	19.6												

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。

- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.

- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.



定速型

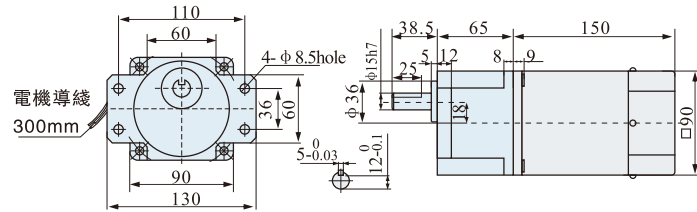
Optical axis type

齒輪品名

5GS□K

5IK90(120)GU-AF
5IK90(120)GU-CF
5IK90(120)GU-U(Y)F
5IK90(120)GU-SF

5RK90(120)GU-AF
5RK90(120)GU-CF
5RK90(120)GU-U(Y)F
5RK90(120)GU-SF



結構：減速器+電動機
重量：4.4kg
減速比：1:3~1:500

Structure: Reducer+Electric motor
Weight: 4.4kg
Speed Reducing Ratio : 1:3-1:500

剎車定速型

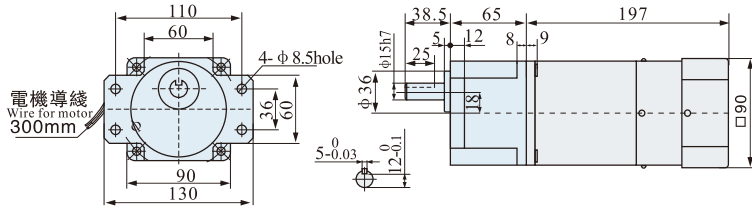
Brake Optical axis type

齒輪品名

5GS□K

5IK90(120)GU-AFM
5IK90(120)GU-CFM
5IK90(120)GU-U(Y)FM
5IK90(120)GU-SFM

5RK90(120)GU-AFM
5RK90(120)GU-CFM
5RK90(120)GU-U(Y)FM
5RK90(120)GU-SFM



結構：減速器+電動機+剎車器
重量：4.9kg
減速比：1:3~1:500

Structure: Reducer+Electric motor+Brake
Weight: 4.9kg
Speed Reducing Ratio : 1:3-1:500

調速型

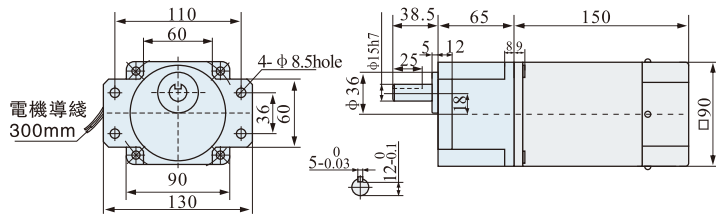
Speed regulation type

齒輪品名

5GS□K

5IK90(120)RGU-AF
5IK90(120)RGU-CF

5RK90(120)RGU-AF
5RK90(120)RGU-CF



結構：減速器+電動機+調速器
重量：4.5kg
減速比：1:3~1:500

Structure: Reducer+Electric motor+Speed governor
Weight: 4.5kg
Speed Reducing Ratio : 1:3-1:500

剎車調速型

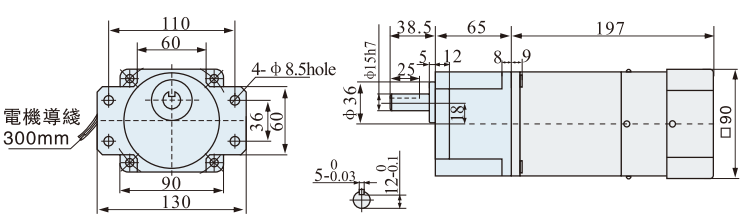
Brake Speed regulation type

齒輪品名

5GS□K

5IK90(120)RGU-AFM
5IK90(120)RGU-CFM

5RK90(120)RGU-AFM
5RK90(120)RGU-CFM



結構：減速器+電動機+剎車器+調速器
重量：4.9kg
減速比：1:3~1:500

Structure: Reducer+Electric motor+Brake+Speed governor
Weight: 4.9kg
Speed Reducing Ratio : 1:3-1:500

帶端子箱型

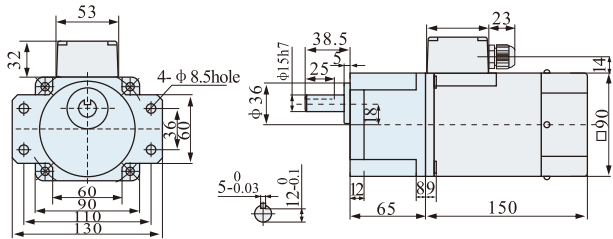
With terminal box type

齒輪品名

5GS□K

5IK90(120)GU-AFT
5IK90(120)GU-CFT
5IK90(120)GU-U(Y)FT
5IK90(120)GU-SFT

5RK90(120)GU-AFT
5RK90(120)GU-CFT
5RK90(120)GU-U(Y)FT
5RK90(120)GU-SFT



結構：減速器+電動機+端子箱
Structure: Reducer+Electric motor+Terminal box

重量：4.5kg 減速比：1:3~1:500
Weight: 4.5kg Speed Reducing Ratio : 1:3-1:500



120/140W

□100mm

電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μ F/VAC
						mN.m	gf.cm	mN.m	gf.cm		
6IK120GU-CF 6IK120A-CF	感應 Induction	120	單相 1-phase 220	50	1.0	1100	11000	880	8800	1350	6/450
6IK120A-CF				60	1.0	925	9250	740	7400	1550	6/450
6RK120GU-CF 6RK120A-CF	可逆 Reversible	120	單相 1-phase 220	50	1.2	1575	15750	1260	12600	1350	8/450
6RK120A-CF				60	1.4	1225	12250	980	9800	1550	8/450
6IK120GU-AF 6IK120A-AF	感應 Induction	120	單相 1-phase 110	50	1.7	1100	11000	880	8800	1350	30/250
6IK120A-AF				60	1.6	925	9250	740	7400	1550	28/250
6RK120GU-AF 6RK120A-AF	可逆 Reversible	120	單相 1-phase 110	50	1.8	1575	15750	1260	12600	1350	32/250
6RK120A-AF				60	2.0	1225	12250	980	9800	1550	32/250
6IK120GU-UF 6IK120A-UF	—	120	三相 3-phase 380	50	0.46	1100	11000	880	8800	1350	—
6IK120A-UF				60	0.42	925	9250	740	7400	1550	—
6RK120GU-SF 6RK120A-SF	—	120	三相 3-phase 220	50	0.8	1100	11000	880	8800	1350	—
6RK120A-SF				60	0.73	925	9250	740	7400	1550	—
6IK140GU-CF 6IK140A-CF	感應 Induction	140	單相 1-phase 220	50	1.23	1285	12850	1028	10280	1350	8/450
6IK140A-CF				60	1.12	1078	10780	863	8630	1550	8/450
6RK140GU-CF 6RK140A-CF	可逆 Reversible	140	單相 1-phase 220	50	1.3	1285	12850	1028	10280	1350	10/450
6RK140A-CF				60	1.43	1078	10780	863	8630	1550	10/450
6IK140GU-AF 6IK140A-AF	感應 Induction	140	單相 1-phase 110	50	2.05	1285	12850	1028	10280	1350	32/250
6IK140A-AF				60	1.9	1078	10780	863	8630	1550	30/250
6RK140GU-AF 6RK140A-AF	可逆 Reversible	140	單相 1-phase 110	50	2.2	1285	12850	1028	10280	1350	40/250
6RK140A-AF				60	2.4	1078	10780	863	8630	1550	32/250
6RK140GU-UF 6RK140A-UF	—	140	三相 3-phase 380	50	0.55	1285	12850	1028	10280	1350	—
6RK140A-UF				60	0.46	1078	10780	863	8630	1550	—
6RK140GU-SF 6RK140A-SF	—	140	三相 3-phase 220	50	0.88	1285	12850	1028	10280	1350	—
6RK140A-SF				60	0.80	1078	10780	863	8630	1550	—

- 上表參數是指電機單體，不附加任何負荷裝置。
 - 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
 - Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	200	150	120	100	83	75	60	50	41	37	30	25	20	15	12	10	8	7	6	5	3
	減速比i ratio		3	5	7.5	10	12.5	15	18	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300	500
最大允許負載 Max allowable load	120W	kg.cm N.m	21.5 2.11	36 3.52	54 5.28	69.8 6.85	85 8.45	103 10.2	125 12.3	139 13.6	172 16.9	209 20.5	226 22.14	251 24.6	315 31										
	140W	kg.cm N.m	25.1 2.46	42 4.11	63 6.16	73.5 8.02	99.2 9.86	120 11.8	132 13	147 14.4	200.7 19.73	221 21.7	238 23.4	265 26	330 32.5										

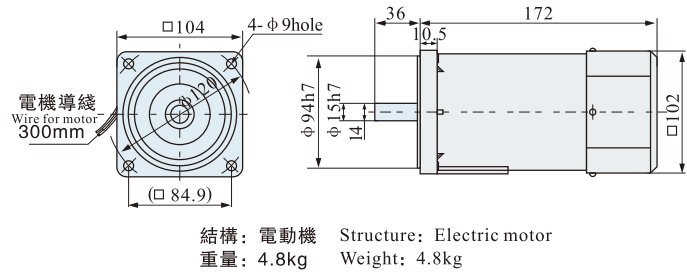
- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
 - 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
 - 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
 - Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
 - When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.



圓軸型

Circular shaft type

6IK120(140)A-AF	6RK120(140)A-AF
6IK120(140)A-CF	6RK120(140)A-CF
6IK120(140)A-YF	6RK120(140)A-YF



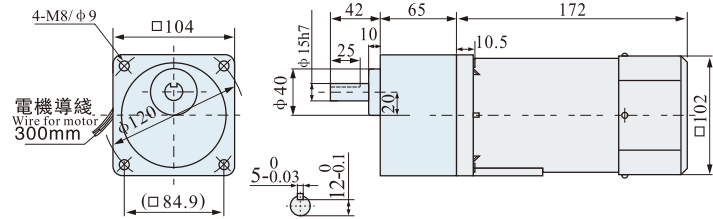
定速型

Optical axis type

齒輪品名

Name of Gear 6GU□K

6IK120(140)GU-AF	6RK120(140)GU-AF
6IK120(140)GU-CF	6RK120(140)GU-CF
6IK120(140)GU-YF	6RK120(140)GU-YF



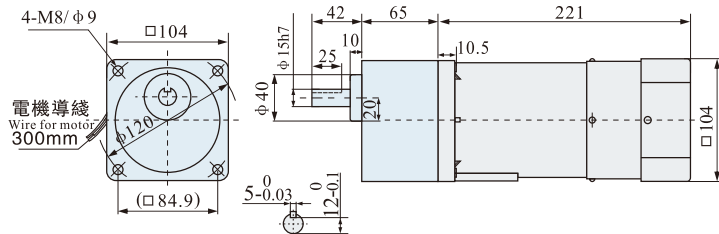
剎車定速型

Brake Optical axis type

齒輪品名

Name of Gear 6GU□K

6IK120(140)GU-AFM	6RK120(140)GU-AFM
6IK120(140)GU-CFM	6RK120(140)GU-CFM
6IK120(140)GU-YFM	6RK120(140)GU-YFM



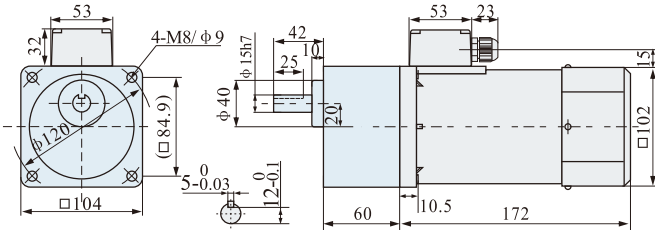
帶端子箱型

With terminal box type

齒輪品名

Name of Gear 6GU□K

6IK120(140)GU-AFT	6RK120(140)GU-AFT
6IK120(140)GU-CFT	6RK120(140)GU-CFT
6IK120(140)GU-U(Y)FT	6RK120(140)GU-U(Y)FT
6IK120(140)GU-SFT	6RK120(140)GU-SFT



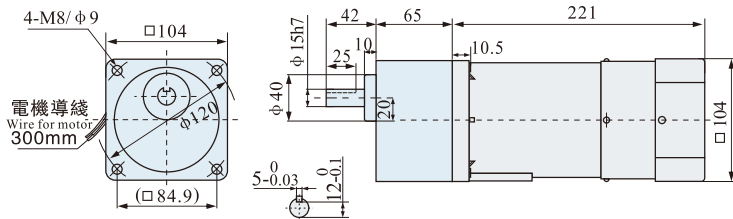
剎車調速型

Brake Speed regulation type

齒輪品名

Name of Gear 6GU□K

6IK120(140)RGU-AFM	6RK120(140)RGU-AFM
6IK120(140)RGU-CFM	6RK120(140)RGU-CFM





160/180W

100mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容容量/耐壓 Capacity/Ve μ F/VAC
						mN.m	gf.cm	mN.m	gf.cm		
6IK160GU-CF 6IK160A-CF	感應 Induction	160	單相 1-phase 220	50	1.25	1575	15750	1260	12600	1350	8/450
				60	1.24	1225	12250	980	9800	1550	8/450
6RK160GU-CF 6RK160A-CF				50	1.4	1575	15750	1260	12600	1350	10/450
				60	1.46	1225	12250	980	9800	1550	10/450
6IK160GU-AF 6IK160A-AF	感應 Induction	160	單相 1-phase 110	50	2.4	1575	15750	1260	12600	1350	32/250
				60	2.2	1225	12250	980	9800	1550	30/250
6RK160GU-AF 6RK160A-AF				50	2.6	1575	15750	1260	12600	1350	40/250
				60	2.8	1225	12250	980	9800	1550	36/250
6IK160GU-UF 6IK160A-UF	—	160	三相 3-phase 380	50	0.55	1468	14680	1175	11750	1350	—
				60	0.50	1232	12320	986	9860	1550	—
6RK160GU-SF 6RK160A-SF	—	160	三相 3-phase 220	50	0.95	1468	14680	1175	11750	1350	—
				60	0.86	1232	12320	986	9860	1550	—
6IK180GU-CF 6IK180A-CF	感應 Induction	180	單相 1-phase 220	50	1.50	1837	18370	1470	14700	1350	10/450
				60	1.46	1540	15400	1232	12320	1550	10/450
6RK180GU-CF 6RK180A-CF				50	1.50	1837	18370	1470	14700	1350	12/450
				60	1.46	1540	15400	1232	12320	1550	12/450
6IK180GU-AF 6IK180A-AF	感應 Induction	180	單相 1-phase 110	50	2.8	1837	18370	1470	14700	1350	40/250
				60	2.6	1540	15400	1232	12320	1550	40/250
6RK180GU-AF 6RK180A-AF				50	2.8	1837	18370	1470	14700	1350	48/250
				60	2.6	1540	15400	1232	12320	1550	48/250
6RK180GU-UF 6RK180A-UF	—	180	三相 3-phase 380	50	0.80	1825	18250	1460	14600	1350	—
				60	0.75	1475	14750	1180	11800	1550	—
6RK180GU-SF 6RK180A-SF	—	180	三相 3-phase 220	50	1.05	1825	18250	1460	14600	1350	—
				60	1.0	1475	14750	1180	11800	1550	—

- 上表參數是指電機單獨，不附加任何負荷裝置。
 - 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
 - Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	200	150	120	100	83	75	60	50	41	37	30	25	20	15	12	10	8	7	6	5	3
	減速比i ratio		3	5	7.5	10	12.5	15	18	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300	500
最大允許負載 Max allowable load	160W	kg.cm N.m	28.7 2.81	48 4.69	72 7.04	87 8.53	113.3 11.27	137.3 13.53	157 15.4	174 17	229 22.6	261 25.6	285 28	317 31.1	396 38.8	440 43									
	180W	kg.cm N.m	32.3 3.17	54 5.28	81 7.92	94.7 9.28	127.5 12.68	154.5 15.23	170 16.7	189 18.7	237 23.2	284 27.8	310 30.1	344 33.4	430 42.2	440 43									

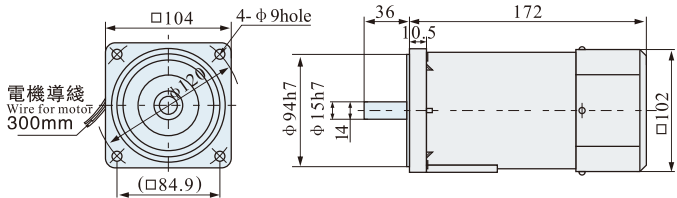
- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。

- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction,it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor,and a locked rotor situation exists,please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

圓軸型

Circular shaft type

6IK160(180)A-AF	6RK160(180)A-AF
6IK160(180)A-CF	6RK160(180)A-CF
6IK160(180)A-YF	6RK160(180)A-YF



結構：電動機
重量：5kg
Structure: Electric motor
Weight: 5kg

定速型

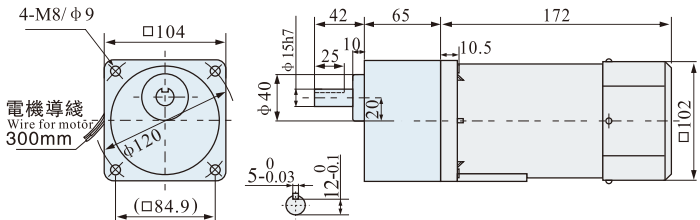
Optical axis type

齒輪品名

Name of Gear

6GU□K

6IK160(180)GU-AF	6RK160(180)GU-AF
6IK160(180)GU-CF	6RK160(180)GU-CF
6IK160(180)GU-YF	6RK160(180)GU-YF



結構：減速器+電動機
重量：6.6kg
減速比：1:3~1:250
Structure: Reducer+Electric motor
Weight: 6.6kg
Speed Reducing Ratio : 1:3-1:250

剎車定速型

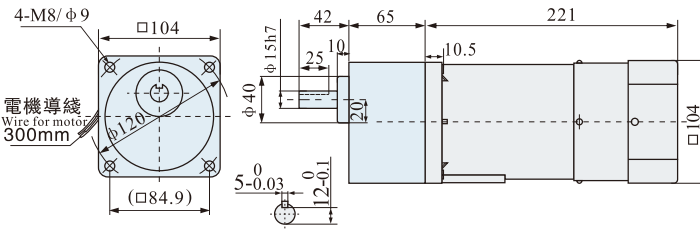
Brake Optical axis type

齒輪品名

Name of Gear

6GU□K

6IK160(180)GU-AFM	6RK160(180)GU-AFM
6IK160(180)GU-CFM	6RK160(180)GU-CFM
6IK160(180)GU-YFM	6RK160(180)GU-YFM



結構：減速器+電動機+剎車器
重量：7kg
減速比：1:3~1:250
Structure: Reducer+Electric motor+Brake
Weight: 7kg
Speed Reducing Ratio : 1:3-1:250

帶端子箱型

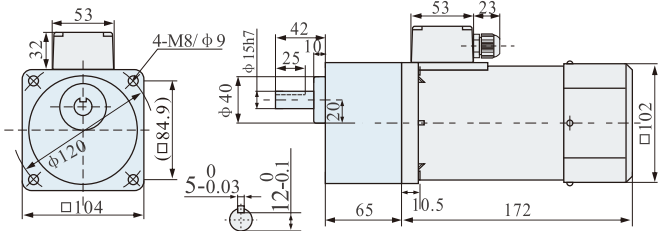
With terminal box type

齒輪品名

Name of Gear

6GU□K

6IK160(180)GU-AFT	6RK160(180)GU-AFT
6IK160(180)GU-CFT	6RK160(180)GU-CFT
6IK160(180)GU-U(Y)FT	6RK160(180)GU-U(Y) FT
6IK160(180)GU-SFT	6RK160(180)GU-SFT



結構：減速器+電動機+端子箱
重量：6.7kg
減速比：1:3~1:250
Structure: Reducer+Electric motor+Terminal box
Weight: 6.7kg
Speed Reducing Ratio : 1:3-1:250

剎車調速型

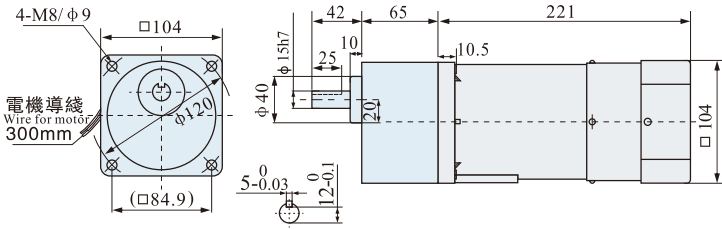
Brake Speed regulation type

齒輪品名

Name of Gear

6GU□K

6IK160(180)RGU-AFM	6RK160(180)RGU-AFM
6IK160(180)RGU-CFM	6RK160(180)RGU-CFM



結構：減速器+電動機+剎車器+調速器
重量：7.1kg
減速比：1:3~1:250
Structure: Reducer+Electric motor+Brake+Speed governor
Weight: 7.1kg
Speed Reducing Ratio : 1:3-1:250



200/250W

□ 100mm

電機特性

List of motor characteristics

- 上表參數是指電機單體，不附加任何負荷裝置。
- Parameters in above table refer to motor alone, without any load device.
- 電機額定轉速、額定電流允許在 $\pm 5\%$ 範圍內變動。
- Permissible change in rated speed and rated current of the motor is within the range of $\pm 5\%$.

減速電機允許負載

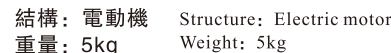
Allowable load for the gear motor

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of Actual speed will vary the size of the load torque changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 in the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

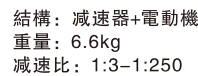


Circular shaft type

6IK200(250)A-AF	6RK200(250)A-AF
6IK200(250)A-CF	6RK200(250)A-CF
6IK200(250)A-YF	6RK200(250)A-YF

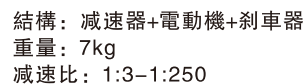


6IK200(250)GU-AF	6RK200(250)GU-AF
6IK200(250)GU-CF	6RK200(250)GU-CF
6IK200(250)GU-YF	6RK200(250)GU-YF



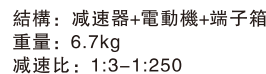
Structure: Reducer+Electric motor
Weight: 6.6kg
Speed Reducing Ratio : 1:3-1:250

6IK200(250)GU-AFM	6RK200(250)GU-AFM
6IK200(250)GU-CFM	6RK200(250)GU-CFM
6IK200(250)GU-YFM	6RK200(250)GU-YFM



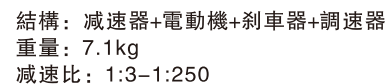
Structure: Reducer+Electric motor+Brake
Weight: 7kg
Speed Reducing Ratio : 1:3-1:250

6IK200(250)GU-AFT	6RK200(250)GU-AFT
6IK200(250)GU-CFT	6RK200(250)GU-CFT
6IK200(250)GU-U(Y)FT	6RK200(250)GU-U(Y)FT
6IK200(250)GU-SFT	6RK200(250)GU-SFT



Structure: Reducer+Electric motor+Terminal box
Weight: 6.7kg
Speed Reducing Ratio : 1:3-1:250

6IK200(250)RGU-AFM	6RK200(250)RGU-AFM
6IK200(250)RGU-CFM	6RK200(250)RGU-CFM



Structure: Reducer+Electric motor+Brake+Speed governor
Weight: 7.1kg
Speed Reducing Ratio : 1:3-1:250



370W

100mm

電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μ F/VAC
公司型號 JWD types						mN.m	gf.cm	mN.m	gf.cm		
6IK370GU-CF 6IK370A-CF	感應 Induction	370	單相 1-phase 220	50	2.3	2944	29440	2560	25660	1350	15/450
				60	2.1	2622	26220	2280	22880	1550	15/450
6RK370GU-CF 6RK370A-CF	可逆 Reversible			50	2.3	2944	29440	2560	25660	1350	15/450
				60	2.1	2622	26220	2280	22880	1550	15/450
6IK370GU-AF 6IK370A-AF	感應 Induction	370	單相 1-phase 110	50	3.0	2944	29440	2560	25660	1350	32/250
				60	2.8	2622	26220	2280	22880	1550	30/250
6RK370GU-AF 6RK370A-AF	可逆 Reversible			50	3.0	2944	29440	2560	25660	1350	40/250
				60	2.8	2622	26220	2280	22880	1550	36/250
6IK370GU-UF 6IK370A-UF	—	370	三相 3-phase 380	50	1.4	3018	30180	2624	26240	1350	—
				60	1.2	2680	26800	2330	23300	1550	—
6RK370GU-SF 6RK370A-SF	—	370	三相 3-phase 220	50	2.5	3018	30180	2624	26240	1350	—
				60	2.0	2680	26800	2330	23300	1550	—

- 上表參數是指電機單體，不附加任何負荷裝置。
 - 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
 - Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	200	150	120	100	85	75	60	50	40	37	30	25	20	15	12	10	8	7	6
	減速比i ratio		3	5	7.5	10	12.5	15	18	20	25	30	36	40	50	60	75	100	120	150	180	200	250
最大允許負載 Max allowable load	370W	kg.cm N.m	62.2 6.22	106 10.4	142 14.0	190 18.6	238 23.3	285 28	342 33.6	381 37.3	440 43												

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。

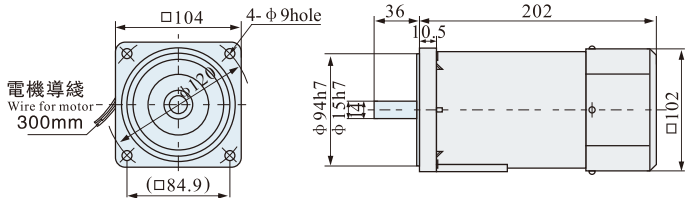
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction,it would be installed between the motor and the reducer reduction ratiio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor,and a locked rotor situation exists,please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.



圓軸型

Circular shaft type

6IK370A-AF	6RK370A-AF
6IK370A-CF	6RK370A-CF
6IK370A-YF	6RK370A-YF



結構：電動機
重量：5kg
Structure: Electric motor
Weight: 5kg

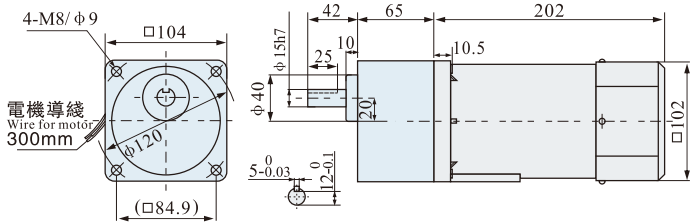
定速型

Optical axis type

齒輪品名

6GU□K

6IK370CU-AF	6RK370CU-AF
6IK370GU-CF	6RK370GU-CF
6IK370GU-YF	6RK370GU-YF



結構：減速器+電動機
重量：6.6kg
減速比：1:3-1:250
Structure: Reducer+Electric motor
Weight: 6.6kg
Speed Reducing Ratio : 1:3-1:250

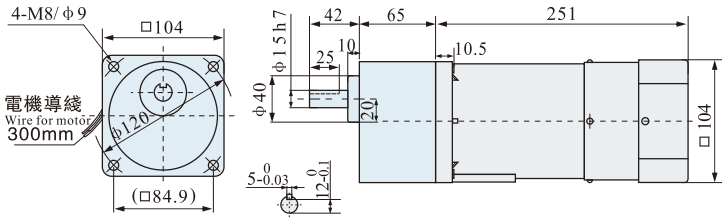
剎車定速型

Brake Optical axis type

齒輪品名

6GU□K

6IK370CU-AFM	6RK370CU-AFM
6IK370GU-CFM	6RK370GU-CFM
6IK370GU-YFM	6RK370GU-YFM



結構：減速器+電動機+剎車器
重量：7kg
減速比：1:3-1:250

Structure: Reducer+Electric motor+Brake
Weight: 7kg
Speed Reducing Ratio : 1:3-1:250

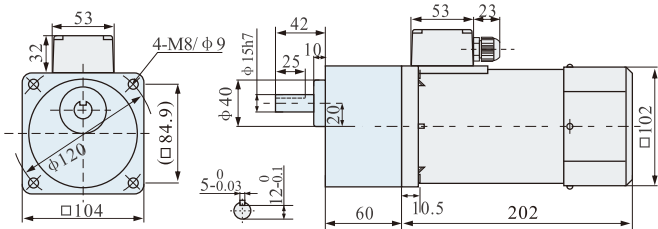
帶端子箱型

With terminal box type

齒輪品名

6GU□K

6IK370CU-AFT	6RK370CU-AFT
6IK370GU-CFT	6RK370GU-CFT
6IK370GU-U(Y)YF	6RK370GU-U(Y)YF
6IK370GU-SFT	6RK370GU-SFT



結構：減速器+電動機+端子箱
重量：6.7kg
減速比：1:3-1:250
Structure: Reducer+Electric motor+Terminal box
Weight: 6.7kg
Speed Reducing Ratio : 1:3-1:250

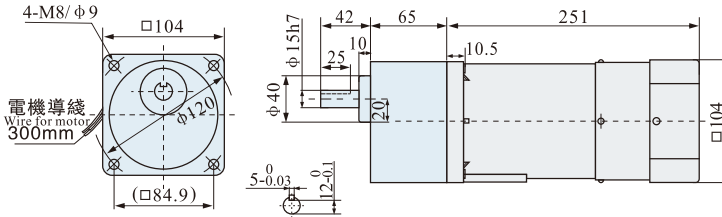
剎車調速型

Brake Speed regulation type

齒輪品名

6GU□K

6IK370RCU-AFM	6RK370RCU-AFM
6IK370RGU-CFM	6RK370RGU-CFM



結構：減速器+電動機+剎車器+調速器
重量：7.1kg
減速比：1:3-1:250

Structure: Reducer+Electric motor+Brake+Speed governor
Weight: 7.1kg
Speed Reducing Ratio : 1:3-1:250



交流馬達型號之選定

The selection for AC motor and gear

4	R	K	25	GN	A	
↓	↓	↓	↓	↓	↓	↓
外形尺寸 Overall Dimensions	機種 Kinds	馬達系列 Motor Series	出力 Output Force	馬達軸形狀 Motor Axis Shape	電壓極數 Voltage Poles	其它附件 Other Accessories
4:80mm 5:90mm 6:100mm	I:感應式 R:可逆式 T:轉矩馬達	I: Inductive R: Reversible T: Torque Motor K系列 K Series	25=25W 30=30W 40=40W 60=60W 90=90W 120=120W 140=140W 160=160W 180=180W 200=200W 250=250W	GN螺旋齒軸 (25W~40W馬達) GN Spiral Toothed Axis (25W~40W moter) GU螺旋齒軸 (60W~250W馬達) GU Spiral Toothed Axis (60W~250W moter)	A=1 φ 110V4P B=1 φ 110V2P C=1 φ 220V4P D=1 φ 220V2P S=3 φ 220V4P U=3 φ 380V4P W=3 φ 440V4P Y=3 φ 220/380V4P Z=3 φ 220/440V4P H=3 φ 380V2P	F:風扇 F: Fan M:电磁刹车 M: Electromagnetic Brake Z:机械阻尼 Z: mechanical damping T:接线盒 T: Terminal Box P:温度开关 P: Temperature Switch

馬達軸形狀前加R為調速馬達
Plus "R" before the axis shape of the motor stands for the speed regulation motor

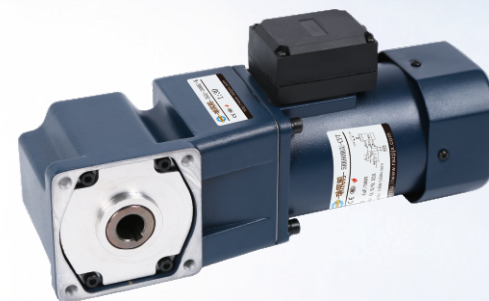


齒輪型號之選定

The selection for AC motor

4	GU	100	RC	K
↓	↓	↓	↓	↓
外形尺寸 Overall Dimensions	齒輪種類 Kinds of Gears	減速比 Speed Reducing Ratio	出力軸種類 Type of output shaft	齒輪軸承種類 Kinds of Gear Bearings
3:70mm 4:80mm 5:90mm 6:100mm	GU 加強形齒輪箱 GU Reinforced Gear Box GN 一般形齒輪箱 GN Common Gear Box		RC:中空軸 RC:Hollow shaft RT:中實軸 RT:In the real axis	K=滾珠軸承 K= Ball Bearing







25/30W

□80mm

電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μ F/VAC
公司型號 JWD types						mN.m	gf.cm	mN.m	gf.cm		
4IK25GN-C 4IK25A-C	感應 Induction	25	單相 1-phase 220	50	0.22	231	2310	185	1850	1250	1.5/450
4RK25GN-C 4RK25A-C	可逆 Reversible			60	0.21	192	1920	154	1540	1550	1.5/450
				50	0.24	231	2310	185	1850	1250	2/450
				60	0.26	192	1920	154	1540	1550	2/450
4IK25GN-A 4IK25A-A	感應 Induction	25	單相 1-phase 110	50	0.48	231	2310	185	1850	1250	6/250
4RK25GN-A 4RK25A-A	可逆 Reversible			60	0.46	192	1920	154	1540	1550	6/250
				50	0.50	231	2310	185	1850	1250	8/250
				60	0.56	192	1920	154	1540	1550	8/250
4IK25GN-U 4IK25A-U	—	25	三相 3-phase 380	50	0.14	231	2310	185	1850	1250	—
4RK25GN-S 4RK25A-S	—	25	三相 3-phase 220	60	0.12	192	1920	154	1540	1550	—
				50	0.24	231	2310	185	1850	1250	—
				60	0.225	192	1920	154	1540	1550	—
4IK30GN-C 4IK30A-C	感應 Induction	30	單相 1-phase 220	50	0.28	275	2750	220	2200	1250	2.2/450
4RK30GN-C 4RK30A-C	可逆 Reversible			60	0.3	231	2310	185	1850	1550	2.2/450
				50	0.3	275	2750	220	2200	1250	2.5/450
				60	0.32	231	2310	185	1850	1550	2.5/450
4IK30GN-A 4IK30A-A	感應 Induction	30	單相 1-phase 110	50	0.58	275	2750	220	2200	1250	8/250
4RK30GN-A 4RK30A-A	可逆 Reversible			60	0.60	231	2310	185	1850	1550	8/250
				50	0.60	275	2750	220	2200	1250	10/250
				60	0.65	231	2310	185	1850	1550	10/250

- 上表參數是指電機單體，不附加任何負荷裝置。
 - 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
 - Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	250	200	150	120	100	83	75	60	50	40	35	30	25	20	15	12	10	8	7	6	5		
	減速比i ratio		3	5	6	7.5	10	12.5	15	18	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300		
最大允許負載 Max allowable load	25W	$\frac{\text{kg}\cdot\text{cm}}{\text{N}\cdot\text{m}}$	4.5 0.45	7.9 0.79	9.46 0.93	12 1.18	15.7 1.55	19 1.86	23 2.25	28.4 2.78	31.5 3.1	35 3.43	42 4.12	51.1 5.01	56.7 5.57	62 6.18	76.6 7.52	80 7.84									
	30W	$\frac{\text{kg}\cdot\text{cm}}{\text{N}\cdot\text{m}}$	5.7 0.56	8.1 0.8	11.3 1.1	14.2 1.39	18.9 1.85	23.6 2.32	28.3 2.78	34 3.34	37.8 3.7	42.5 4.17	51.1 5.01	60.2 6.01	68.1 6.68	65.7 6.5	80 7.84										

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。

- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction,it would be installed between the motor and the reducer reduction ratiio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor,and a locked rotor situation exists,please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.



直角中實減速箱

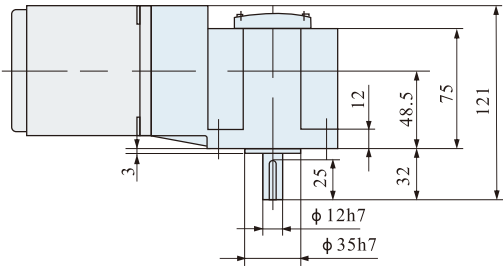
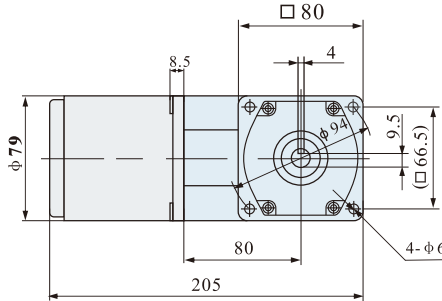
Right angle solid-shaft reduction gear box



型號:4GN □RT-K Model:4GN □RT-K
速比:1:10~1500 Gear ratio:1:10~1500

80型 CAD 尺寸 Model 80 CAD size

組合：定速電機+直角中實減速箱
減速比：1:10_1500
質量：3.4kg
Combination: fixed speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 3.4kg



直角中空減速箱

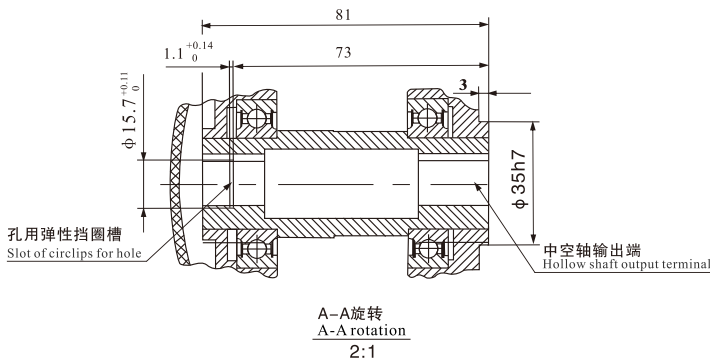
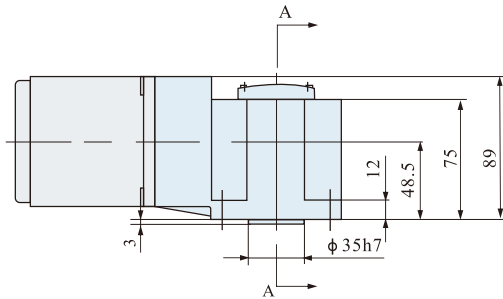
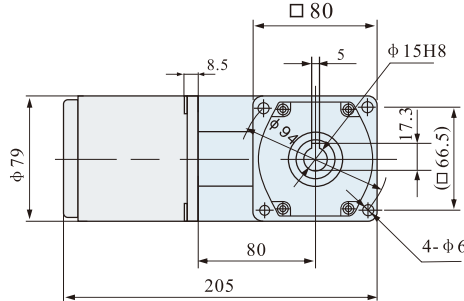
Right angle hollow-shaft reduction gear box



型號:4GN □RC-K Model:4GN □RC-K
速比:1:10~1500 Gear ratio:1:10~1500

80型 CAD 尺寸 Model 80 CAD size

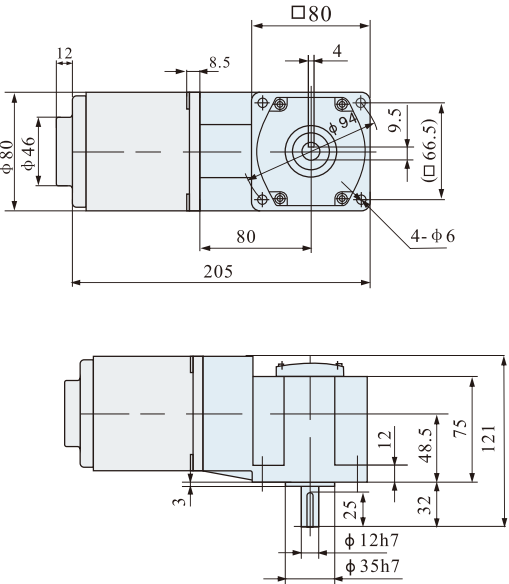
組合：定速電機+直角中空減速箱
減速比：1:10_1500
質量：3.3kg
Combination: fixed speed motor + right angle hollow reduction gear box
Deceleration ratio: 1:10~1500
Mass: 3.3kg





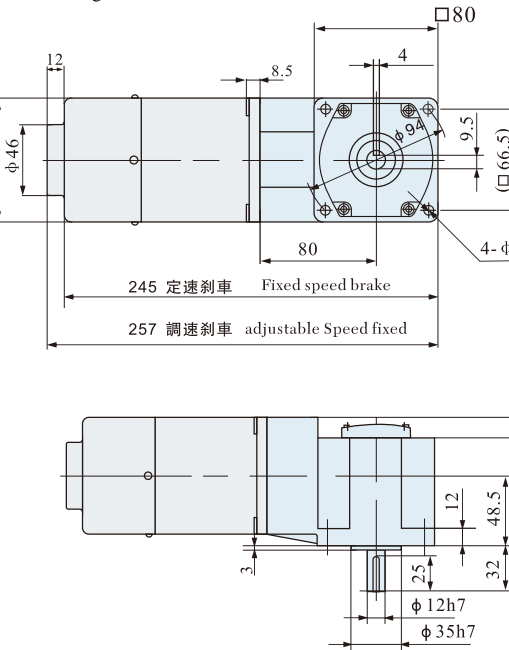
80型 CAD 尺寸
Model 80 CAD size

組合：調速電機+直角中實減速箱
減速比：1:10~1500
質量：3.5kg
Combination: adjustable speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 3.5kg



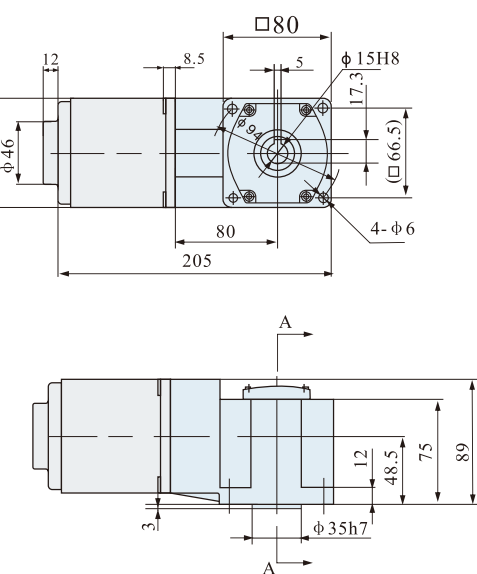
80型 CAD 尺寸
Model 80 CAD size

組合：剎車定速/調速電機+直角中實減速箱
減速比：1:10~1500
質量：3.8kg
Combination: fixed speed / adjustable speed brake motor + right angle solid deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 3.8 kg



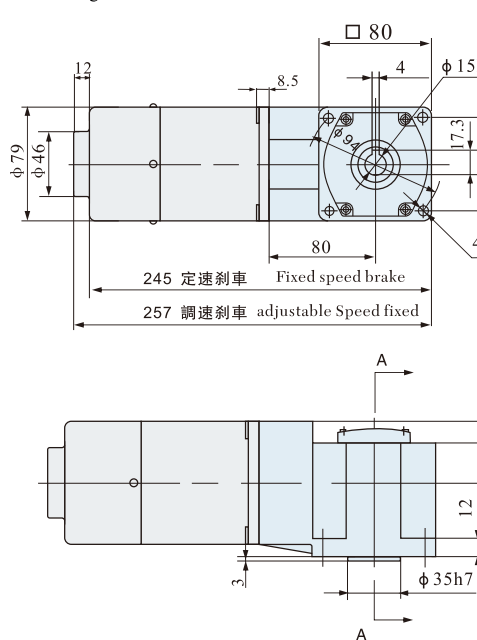
80型 CAD 尺寸
Model 80 CAD size

組合：調速電機+直角中空減速箱
減速比：1:10~1500
質量：3.4kg
Combination: adjustable speed motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 3.4kg

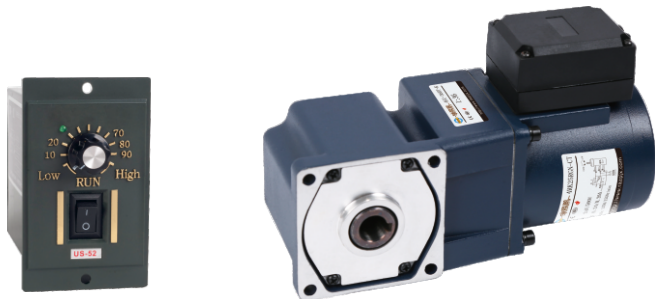


80型 CAD 尺寸
Model 80 CAD size

組合：剎車定速/調速電機+直角中空減速箱
減速比：1:10~1500
質量：3.7kg
Combination: fixed speed / adjustable speed brake motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 3.7kg



40W
90mm



電機特性
List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率	電源電壓	頻率	電流	起動扭矩		額定扭矩		額定轉速	電容量/耐壓
公司型號 JWD types		Output Power W	Voltage V	Frequency Hz	Current A	Starting Torque mN.m	gf.cm	Rated Torque mN.m	gf.cm	Rated Revolution r/min	Capacity/Ve μ F/VAC
5IK40GU-C 5IK40A-C	感應 Induction	40	單相 1-phase 220	50	0.35	367	3670	294	2940	1300	2.5/450
				60	0.33	307	3070	246	2460	1550	2.5/450
5RK40GU-C 5RK40A-C	可逆 Reversible			50	0.38	367	3670	294	2940	1300	3.0/450
				60	0.4	307	3070	246	2460	1550	3.0/450
5IK40GU-A 5IK40A-A	感應 Induction	40	單相 1-phase 110	50	0.70	367	3670	294	2940	1300	10/250
				60	0.72	307	3070	246	2460	1550	10/250
5RK40GU-A 5RK40A-A	可逆 Reversible			50	0.76	367	3670	294	2940	1300	12/250
				60	0.80	307	3070	246	2460	1550	12/250
5IK40GU-U 5IK40A-U	——	40	三相 3-phase 380	50	0.24	367	3670	294	2940	1300	——
				60	0.22	307	3070	246	2460	1550	——
5RK40GU-S 5RK40A-S	——	40	三相 3-phase 220	50	0.42	367	3670	294	2940	1300	——
				60	0.38	307	3070	246	2460	1550	——

- 上表參數是指電機單體，不附加任何負荷裝置。
- Parameters in above table refer to motor alone,without any load device.
- 電機額定轉速、額定電流允許在±5%範圍內變動。
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載
Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	250	200	150	120	100	75	60	50	40	35	30	25	20	15	12	10	8	7	6	5	3
	減速比i ratio		3	5	6	7.5	10	12.5	15	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300	500
最大允許負載 Max allowable load	40W	$\frac{\text{kg}\cdot\text{cm}}{\text{N}\cdot\text{m}}$	7.3 0.72	12 1.18	14.5 1.43	18 1.77	24.2 2.4	30 2.94	36 3.53	43.6 4.28	55 5.0	65.5 6.24	78 7.7	87 8.57	98 9.64	100 9.81									

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.



直角中实减速箱

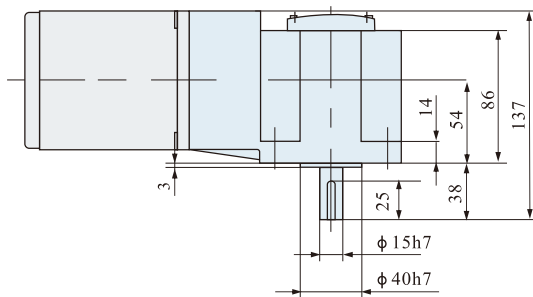
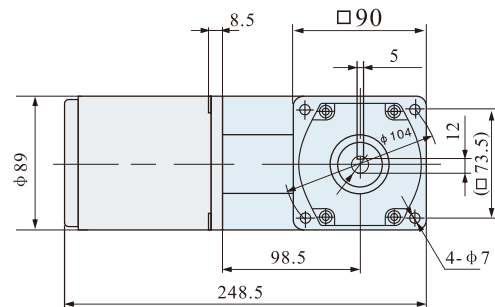
Right angle solid-shaft reduction gear box



型号:5GU □ RT-K Model:5GU □ RT-K
速比:1:10~1500 Gear ratio:1:10~1500

90型 CAD 尺寸
Model 90 CAD size

組合：定速電機+直角中實減速箱
減速比：1:10~1500
質量：5.3kg
Combination: fixed speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 5.3kg



直角中空减速箱

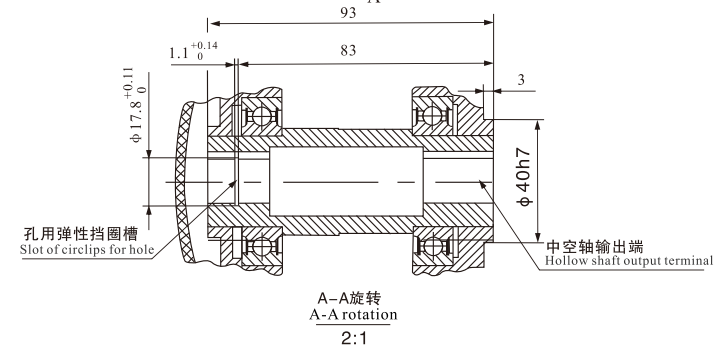
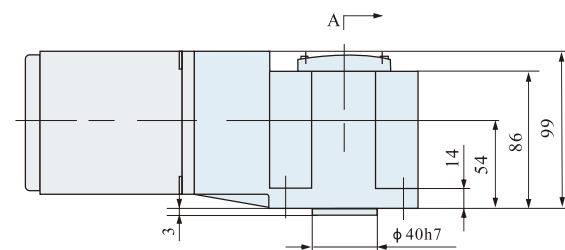
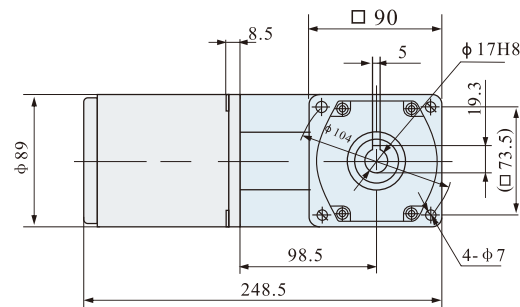
Right angle hollow-shaft reduction gear box



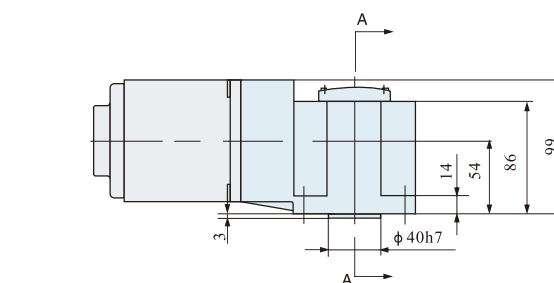
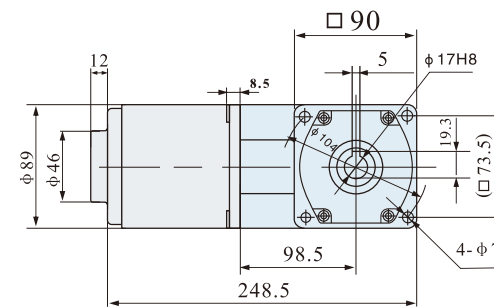
型号:5GU □ RC-K Model:5GU □ RC-K
速比:1:10~1500 Gear ratio:1:10~1500

90型 CAD 尺寸
Model 90 CAD size

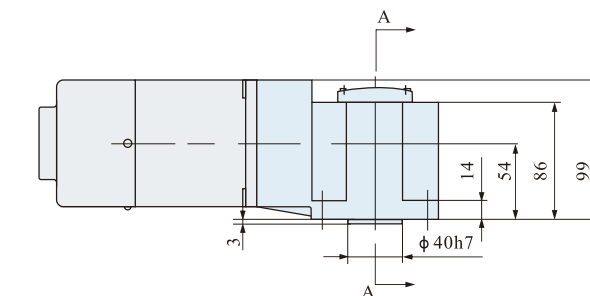
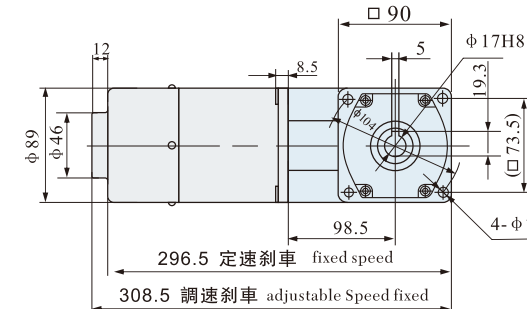
組合：定速電機+直角中空減速箱
減速比：1:10~1500
質量：5.2kg
Combination: fixed speed motor + right angle hollow reduction gear box
Deceleration ratio: 1:10~1500
Mass: 5.2kg

90型 CAD 尺寸
Model 90 CAD size

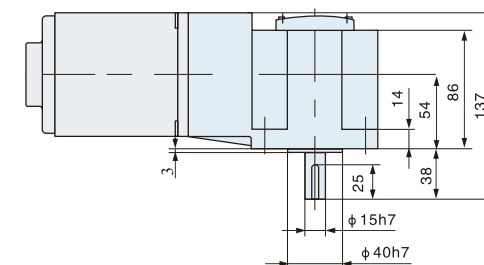
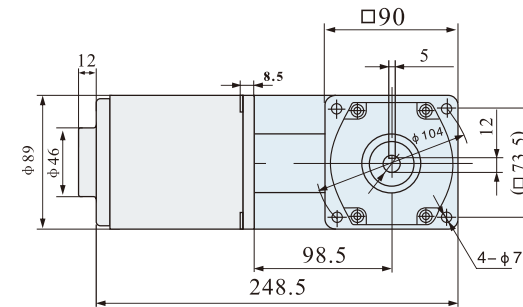
組合：調速電機+直角中空減速箱
減速比：1:10~1500
質量：5.3kg
Combination: adjustable speed motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 5.3kg

90型 CAD 尺寸
Model 90 CAD size

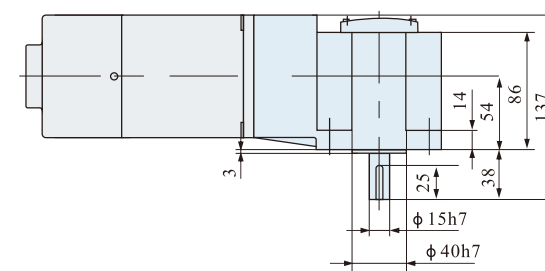
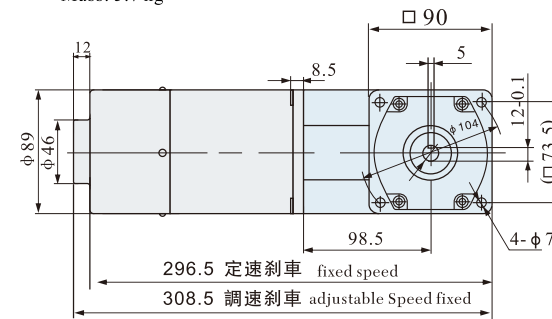
組合：剎車定速/調速電機+直角中空減速箱
減速比：1:10~1500
質量：5.6kg
Combination: fixed speed / adjustable speed brake motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 5.6kg

90型 CAD 尺寸
Model 90 CAD size

組合：調速電機+直角中實減速箱
減速比：1:10~1500
質量：5.4kg
Combination: adjustable speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 5.4kg

90型 CAD 尺寸
Model 90 CAD size

組合：剎車定速/調速電機+直角中實減速箱
減速比：1:10~1500
質量：5.7kg
Combination: fixed speed / adjustable speed brake motor + right angle solid deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 5.7 kg





60W

90mm



電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容容量/耐壓 Capacity/Ve μ F/VAC
公司型號 JWD types						mN.m	gf.cm	mN.m	gf.cm		
5IK60GU-CF 5IK60A-CF	感應 Induction	60	單相 1-phase 220	50	0.45	551	5510	441	4410	1350	3.5/450
				60	0.48	462	4620	370	3700	1550	3.5/450
5RK60GU-CF 5RK60A-CF				50	0.5	837	8370	670	6700	1350	4/450
	可逆 Reversible			60	0.52	692	6920	554	5540	1550	4/450
5IK60GU-AF 5IK60A-AF	感應 Induction	60	單相 1-phase 110	50	0.90	551	5510	441	4410	1350	14/250
				60	0.88	462	4620	370	3700	1550	14/250
5RIK60GU-AF 5RK60A-AF				50	1.0	837	8370	670	6700	1350	16/250
	可逆 Reversible			60	1.2	692	6920	554	5540	1550	16/250
5IK60GU-UF 5IK60A-UF	—	60	三相 3-phase 380	50	0.30	551	5510	441	4410	1350	—
				60	0.28	462	4620	370	3700	1550	—
5RK60GU-SF 5RK60A-SF	—	60	三相 3-phase 220	50	0.52	551	5510	441	4410	1350	—
				60	0.48	462	4620	370	3700	1550	—

- 上表參數是指電機單體，不附加任何負荷裝置。
 - 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
 - Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter			同步轉速r/mn Synchronous speed		500	375	300	250	200	150	120	100	75	60	50	40	35	30	25	20	15	12	10	8	7	6	5	3
			減速比i ratio		3	4	5	6	7.5	10	12.5	15	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300	500
最大允許負載 Max allowable load		60W	kg.cm	11	14.6	18	21.8	27	36	41	50	65	81	98	117	130	147	200 19.6										
			N.m	1.08	1.42	1.77	2.14	2.64	3.57	4.02	4.80	6.24	8.03	9.64	11.5	12.8	14.4											

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。

- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

直角中實減速箱

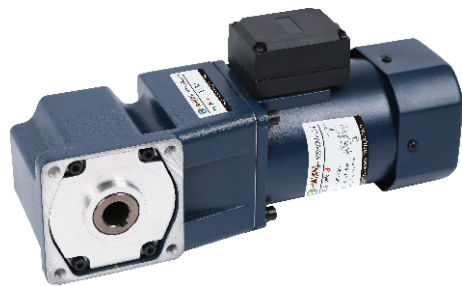
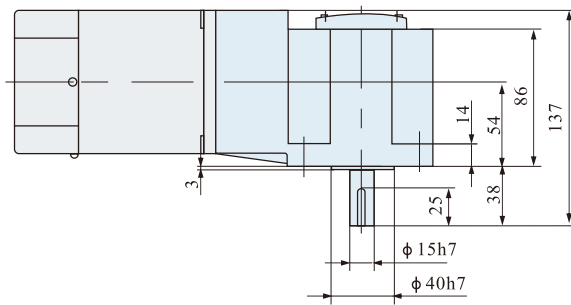
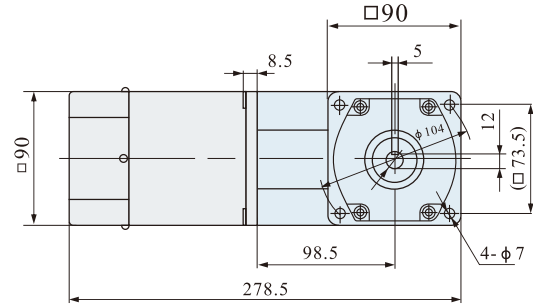
Right angle solid-shaft reduction gear box



型号:5GU □RT-K Model:5GU □RT-K
速比:1:10~1500 Gear ratio:1:10~1500

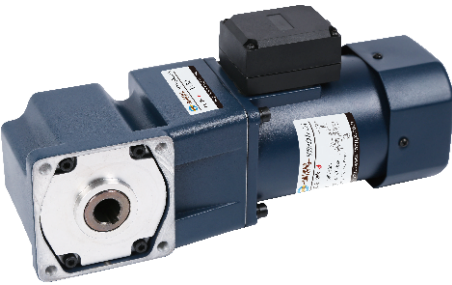
90型 CAD 尺寸
Model 90 CAD size

組合：定速電機+直角中實減速箱
減速比：1:10_1500
質量：5.4kg
Combination: fixed speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 5.4kg



直角中空減速箱

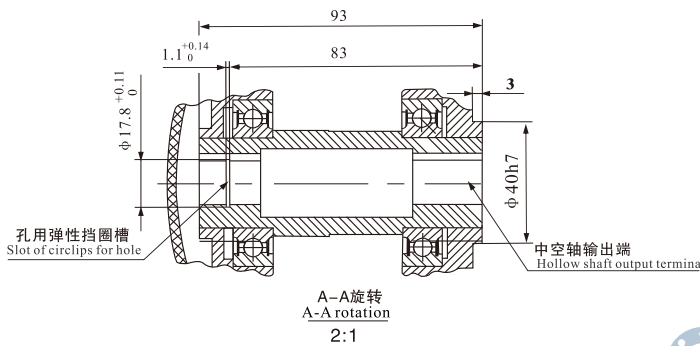
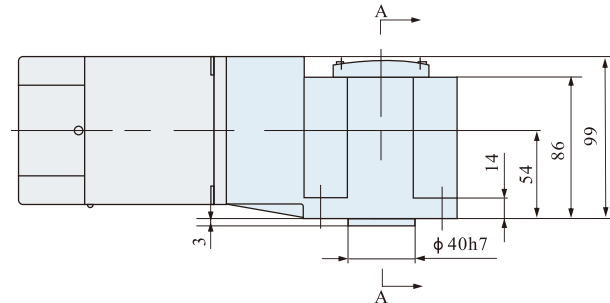
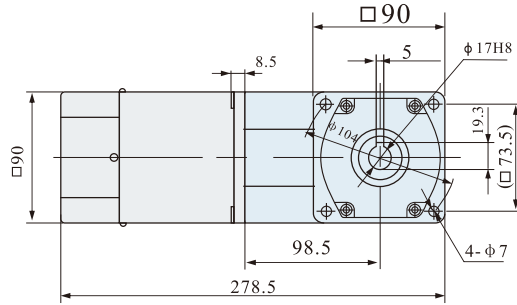
Right angle hollow-shaft reduction gear box



型号:5GU □RC-K Model:5GU □RC-K
速比:1:10~1500 Gear ratio:1:10~1500

90型 CAD 尺寸
Model 90 CAD size

組合：定速電機+直角中空減速箱
減速比：1:10_1500
質量：5.3kg
Combination: fixed speed motor + right angle hollow reduction gear box
Deceleration ratio: 1:10~1500
Mass: 5.3kg

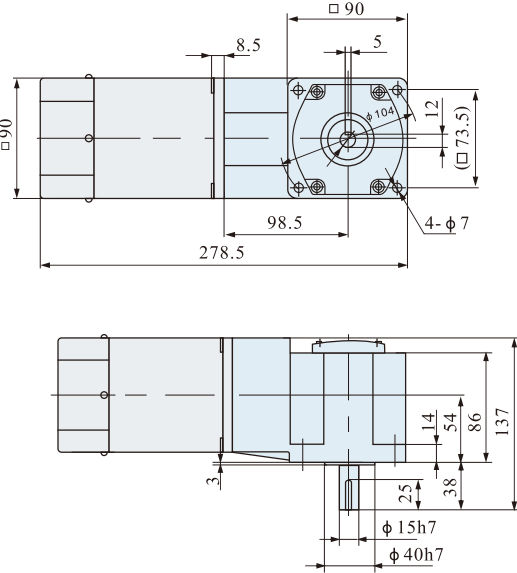




90型 CAD 尺寸
Model 90 CAD size

組合：調速電機+直角中實減速箱
減速比：1:10_1500
質量：5.5kg

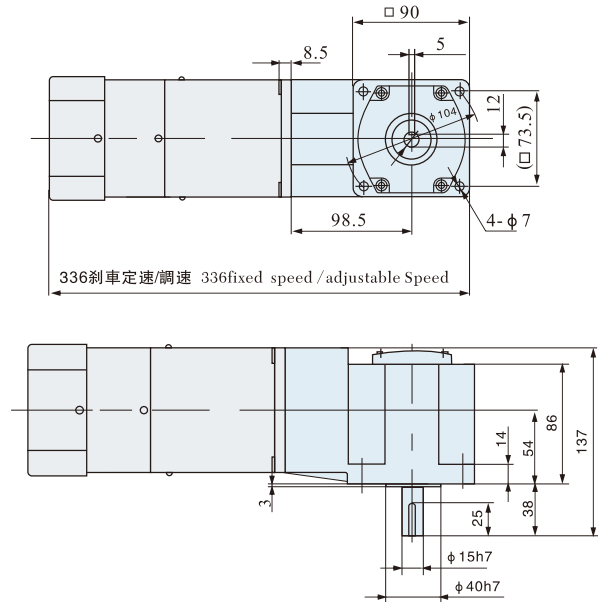
Combination: adjustable speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 5.5kg



90型 CAD 尺寸
Model 90 CAD size

組合：剎車定速/調速電機+直角中實減速箱
減速比：1:10_1500
質量：6.1kg

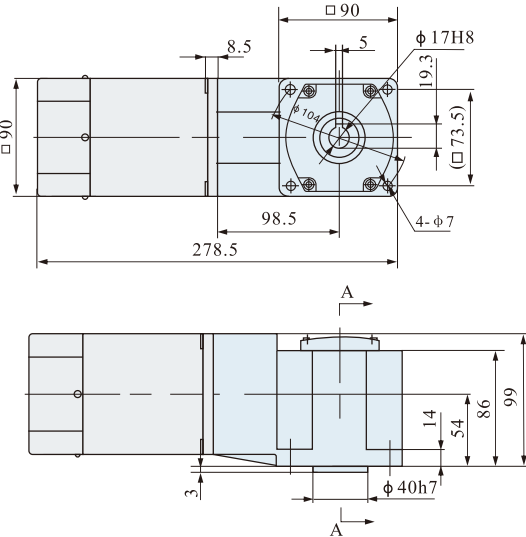
Combination: fixed speed / adjustable speed brake motor + right angle solid deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 6.1 kg



90型 CAD 尺寸
Model 90 CAD size

組合：調速電機+直角中空減速箱
減速比：1:10_1500
質量：5.4kg

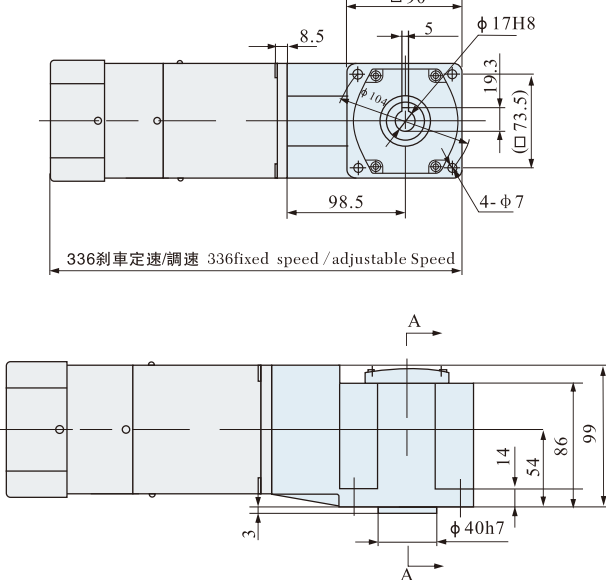
Combination: adjustable speed motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 5.4kg



90型 CAD 尺寸
Model 90 CAD size

組合：剎車定速/調速電機+直角中空減速箱
減速比：1:10_1500
質量：6kg

Combination: fixed speed / adjustable speed brake motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 6kg



90/120W

90mm

電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve
公司型號 JWD types						mN.m	gf.cm	mN.m	gf.cm		μ F/VAC
5IK90GU-CF 5IK90A-CF	感應 Induction	90	單相 1-phase 220	50	0.62	837	8370	670	6700	1350	5/450
				60	0.60	692	6920	554	5540	1550	5/450
5RK90GU-CF 5RK90A-CF	可逆 Reversible			50	0.68	837	8370	670	6700	1350	6/450
				60	0.72	692	6920	554	5540	1550	6/450
5IK90GU-AF 5IK90A-AF	感應 Induction	90	單相 1-phase 110	50	1.25	837	8370	670	6700	1350	20/250
				60	1.2	692	6920	554	5540	1550	18/250
5RK90GU-AF 5RK90A-AF	可逆 Reversible			50	1.38	837	8370	670	6700	1350	24/250
				60	1.5	692	6920	554	5540	1550	24/250
5IK90GU-UF 5IK90A-UF	—	90	三相 3-phase 380	50	0.32	837	8370	670	6700	1350	—
				60	0.3	692	6920	554	5540	1500	—
5RK90GU-SF 5RK90A-SF	—	90	三相 3-phase 220	50	0.55	837	8370	670	6700	1350	—
				60	0.48	692	6920	554	5540	1500	—
5IK120GU-CF 5IK120A-CF	感應 Induction	120	單相 1-phase 220	50	0.85	1137	11370	910	9100	1350	6/450
				60	0.82	955	9550	764	7640	1500	6/450
5RK120GU-CF 5RK120A-CF	可逆 Reversible			50	0.95	1137	11370	910	9100	1350	8/450
				60	1.0	955	9550	764	7640	1500	8/450
5IK120GU-AF 5IK120A-AF	感應 Induction	120	單相 1-phase 110	50	1.7	1137	11370	910	9100	1350	24/250
				60	1.65	955	9550	764	7640	1500	24/250
5RK120GU-AF 5RK120A-AF	可逆 Reversible			50	1.9	1137	11370	910	9100	1350	30/250
				60	2.1	955	9550	764	7640	1500	30/250
5IK120GU-UF 5RK120A-UF	—	120	三相 3-phase 380	50	0.34	1137	11370	910	9100	1350	—
				60	0.31	955	9550	764	7640	1500	—
5RK120GU-SF 5RK120A-SF	—	120	三相 3-phase 220	50	0.59	1137	11370	910	9100	1350	—
				60	0.54	955	9550	764	7640	1500	—

- 上表參數是指電機單獨，不附加任何負荷裝置。
- 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	250	200	150	120	100	75	60	50	45	37.5	30	25	20	15	12.5	10	8	7.5	6	5	3
	減速比i ratio		3	5	6	7.5	10	12.5	15	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300	500
最大允許負載 Max allowable load	90W	kg.cm N.m	15.7 1.54	26.5 2.6	31.5 3.1	39.4 3.86	52.5 5.15	65.7 6.44	71 6.96	94.6 9.28	118 11.6	141 13.9	170 16.7	189 18.5	200 19.6										
	120W	kg.cm N.m	21.5 2.11	36 3.52	42 4.13	54 5.28	70 6.88	87.5 8.59	98 9.6	126 12.4	148 14.5	189 18.5	200 19.6												

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
- 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
- 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。

- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.



直角中实减速箱

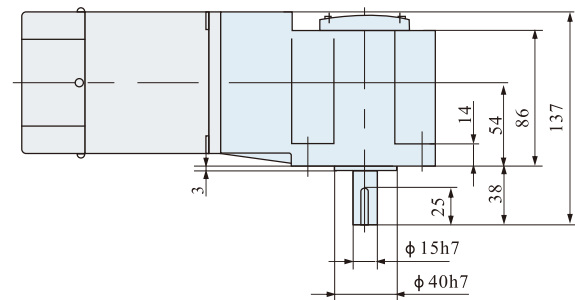
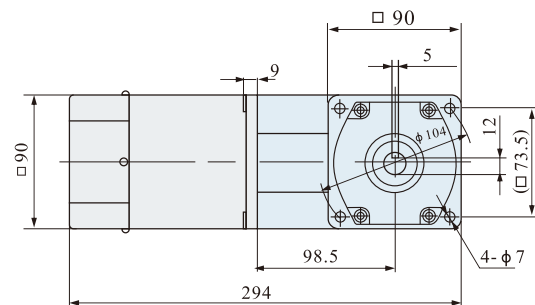
Right angle solid-shaft reduction gear box



型号:5GU □ RT-K Model:5GU □ RT-K
速比:1:10~1500 Gear ratio:1:10~1500

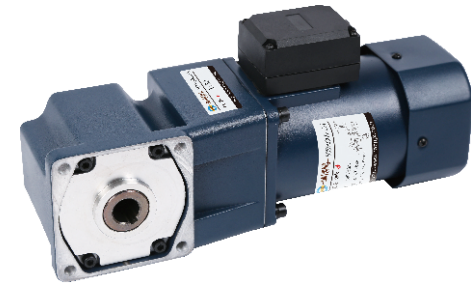
90型 CAD 尺寸
Model 90 CAD size

組合：定速電機+直角中實減速箱
減速比：1:10~1500
質量：5.9kg
Combination: fixed speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 5.9kg



直角中空减速箱

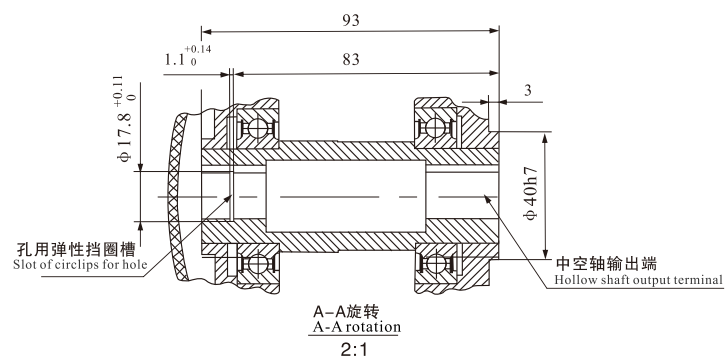
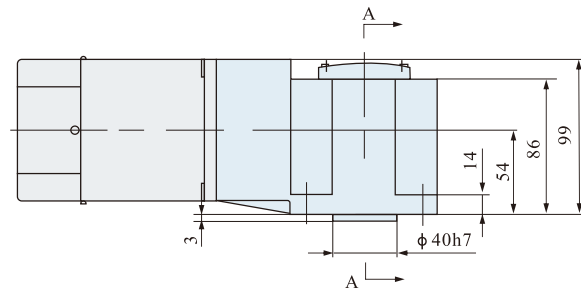
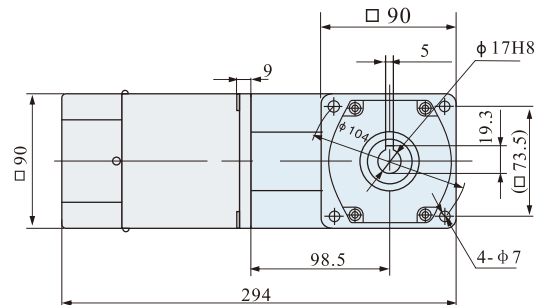
Right angle hollow-shaft reduction gear box



型号:5GU □ RC-K Model:5GU □ RC-K
速比:1:10~1500 Gear ratio:1:10~1500

90型 CAD 尺寸
Model 90 CAD size

組合：定速電機+直角中空減速箱
減速比：1:10~1500
質量：5.8kg
Combination: fixed speed motor + right angle hollow reduction gear box
Deceleration ratio: 1:10~1500
Mass: 5.8kg

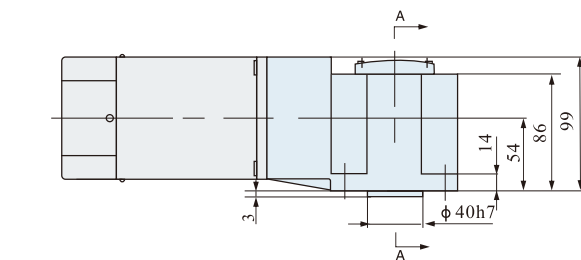
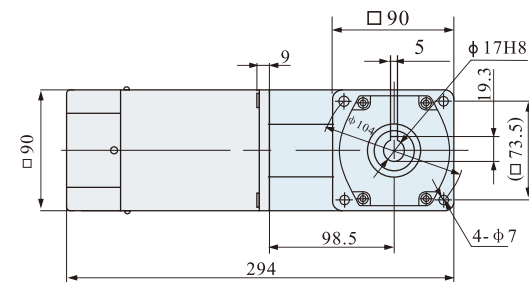


90型 CAD 尺寸

Model 90 CAD size

組合：調速電機+直角中空減速箱
減速比：1:10~1500
質量：5.9kg

Combination: adjustable speed motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 5.9kg

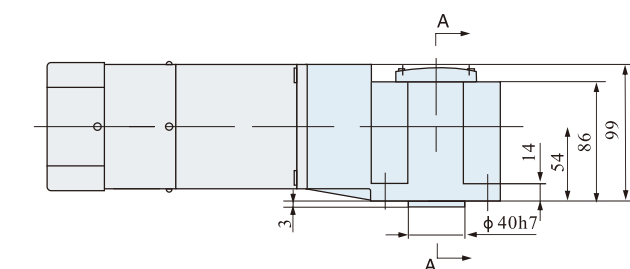
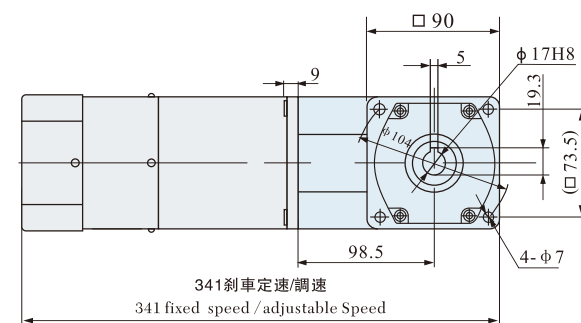


90型 CAD 尺寸

Model 90 CAD size

組合：剎車定速/調速電機+直角中空減速箱
減速比：1:10~1500
質量：6.5kg

Combination: fixed speed / adjustable speed brake motor +
right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 6.5kg

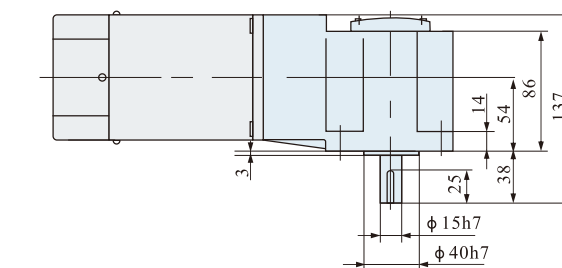
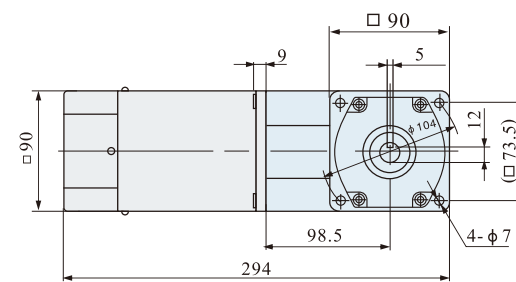


90型 CAD 尺寸

Model 90 CAD size

組合：調速電機+直角中實減速箱
減速比：1:10~1500
質量：6kg

Combination: adjustable speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 6kg

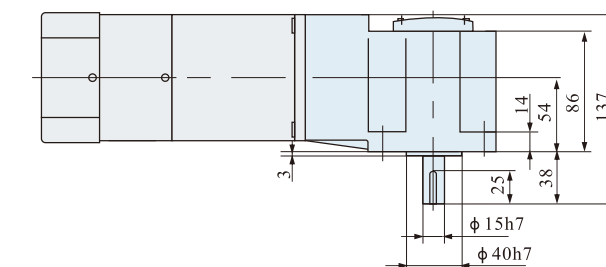
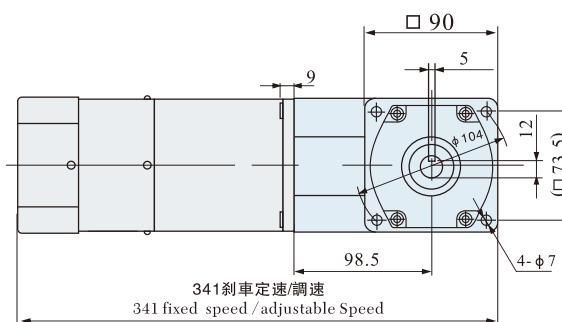


90型 CAD 尺寸

Model 90 CAD size

組合：剎車定速/調速電機+直角中實減速箱
減速比：1:10~1500
質量：6.6kg

Combination: fixed speed / adjustable speed brake motor +
right angle solid deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 6.6 kg





120/140W

□100mm

電機特性

List of motor characteristics



電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μ F/VAC
						mN.m	gf.cm	mN.m	gf.cm		
6IK120GU-CF 6IK120A-CF	感應 Induction	120	單相 1-phase 220	50	1.0	1100	11000	880	8800	1350	6/450
				60	1.0	925	9250	740	7400	1550	6/450
6RK120GU-CF 6RK120A-CF	可逆 Reversible			50	1.2	1575	15750	1260	12600	1350	8/450
				60	1.4	1225	12250	980	9800	1550	8/450
6IK120GU-AF 6IK120A-AF	感應 Induction	120	單相 1-phase 110	50	1.7	1100	11000	880	8800	1350	30/250
				60	1.6	925	9250	740	7400	1550	28/250
6RK120GU-AF 6RK120A-AF	可逆 Reversible			50	1.8	1575	15750	1260	12600	1350	32/250
				60	2.0	1225	12250	980	9800	1550	32/250
6IK120GU-UF 6IK120A-UF	—	120	三相 3-phase 380	50	0.46	1100	11000	880	8800	1350	—
				60	0.42	925	9250	740	7400	1550	—
6RK120GU-SF 6RK120A-SF	—	120	三相 3-phase 220	50	0.8	1100	11000	880	8800	1350	—
				60	0.73	925	9250	740	7400	1550	—
6IK140GU-CF 6IK140A-CF	感應 Induction	140	單相 1-phase 220	50	1.23	1285	12850	1028	10280	1350	8/450
				60	1.12	1078	10780	863	8630	1550	8/450
6RK140GU-CF 6RK140A-CF	可逆 Reversible			50	1.3	1285	12850	1028	10280	1350	10/450
				60	1.43	1078	10780	863	8630	1550	10/450
6IK140GU-AF 6IK140A-AF	感應 Induction	140	單相 1-phase 110	50	2.05	1285	12850	1028	10280	1350	32/250
				60	1.9	1078	10780	863	8630	1550	30/250
6RK140GU-AF 6RK140A-AF	可逆 Reversible			50	2.2	1285	12850	1028	10280	1350	40/250
				60	2.4	1078	10780	863	8630	1550	32/250
6RK140GU-UF 6RK140A-UF	—	140	三相 3-phase 380	50	0.55	1285	12850	1028	10280	1350	—
				60	0.46	1078	10780	863	8630	1550	—
6RK140GU-SF 6RK140A-SF	—	140	三相 3-phase 220	50	0.88	1285	12850	1028	10280	1350	—
				60	0.80	1078	10780	863	8630	1550	—

- 上表參數是指電機單體，不附加任何負荷裝置。
 - 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
 - Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	200	150	120	100	83	75	60	50	41	37	30	25	20	15	12	10	8	7	6	5	3
	減速比i ratio		3	5	7.5	10	12.5	15	18	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300	500
最大允許負載 Max allowable load	120W	$\frac{kg \cdot cm}{N \cdot m}$	21.5 2.11	36 3.52	54 5.28	69.8 6.85	85 8.45	103 10.2	125 12.3	139 13.6	172 16.9	209 20.5	226 22.14	251 24.6	315 31										
	140W	$\frac{kg \cdot cm}{N \cdot m}$	25.1 2.46	42 4.11	63 6.16	73.5 8.02	99.2 9.86	120 11.8	132 13	147 14.4	200.7 19.73	221 21.7	238 23.4	265 26	330 32.5										

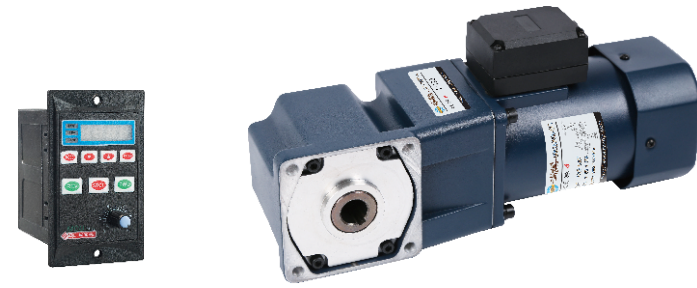
- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
 - 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
 - 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
 - Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
 - When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

160/180W

□100mm

電機特性

List of motor characteristics



電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μ F/VAC
						mN.m	gf.cm	mN.m	gf.cm		
6IK160GU-CF 6IK160A-CF	感應 Induction	160	單相 1-phase 220	50	1.25	1575	15750	1260	12600	1350	8/450
				60	1.24	1225	12250	980	9800	1550	8/450
6RK160GU-CF 6RK160A-CF	可逆 Reversible			50	1.4	1575	15750	1260	12600	1350	10/450
				60	1.46	1225	12250	980	9800	1550	10/450
6IK160GU-AF 6IK160A-AF	感應 Induction	160	單相 1-phase 110	50	2.4	1575	15750	1260	12600	1350	32/250
				60	2.2	1225	12250	980	9800	1550	30/250
6RK160GU-AF 6RK160A-AF	可逆 Reversible			50	2.6	1575	15750	1260	12600	1350	40/250
				60	2.8	1225	12250	980	9800	1550	36/250
6IK160GU-UF 6IK160A-UF	—	160	三相 3-phase 380	50	0.55	1468	14680	1175	11750	1350	—
				60	0.50	1232	12320	986	9860	1550	—
6RK160GU-SF 6RK160A-SF	—	160	三相 3-phase 220	50	0.95	1468	14680	1175	11750	1350	—
				60	0.86	1232	12320	986	9860	1550	—
6IK180GU-CF 6IK180A-CF	感應 Induction	180	單相 1-phase 220	50	1.50	1837	18370	1470	14700	1350	10/450
				60	1.46	1540	15400	1232	12320	1550	10/450
6RK180GU-CF 6RK180A-CF	可逆 Reversible			50	1.50	1837	18370	1470	14700	1350	12/450
				60	1.46	1540	15400	1232	12320	1550	12/450
6IK180GU-AF 6IK180A-AF	感應 Induction	180	單相 1-phase 110	50	2.8	1837	18370	1470	14700	1350	40/250
				60	2.6	1540	15400	1232	12320	1550	40/250
6RK180GU-AF 6RK180A-AF	可逆 Reversible			50	2.8	1837	18370	1470	14700	1350	48/250
				60	2.6	1540	15400	1232	12320	1550	48/250
6RK180GU-UF 6RK180A-UF	—	180	三相 3-phase 380	50	0.80	1825	18250	1460	14600	1350	—
				60	0.75	1475	14750	1180	11800	1550	—
6RK180GU-SF 6RK180A-SF	—	180	三相 3-phase 220	50	1.05	1825	18250	1460	14600	1350	—
				60	1.0	1475	14750	1180	11800	1550	—

- 上表參數是指電機單體，不附加任何負荷裝置。
 - 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
 - Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	200	150	120	100	83	75	60	50	41	37	30	25	20	15	12	10	8	7	6	5	3
	減速比i ratio		3	5	7.5	10	12.5	15	18	20	25	30	36	40	50	60	75	100	120	150	180	200	250	300	500
最大允許負載 Max allowable load	160W	$\frac{kg \cdot cm}{N \cdot m}$	28.7 2.81	48 4.69	72 7.04	87 8.53	113.3 11.27	137.3 13.53	157 15.4	174 17	229 22.6	261 25.6	285 28	317 31.1	396 38.8	440 43									
	180W	$\frac{kg \cdot cm}{N \cdot m}$	32.3 3.17	54 5.28	81 7.92	94.7 9.28	127.5 12.68	154.5 15.23	170 16.7	189 18.7	237 23.2	284 27.8	310 30.1	344 33.4	430 42.2	440 43									

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
 - 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
 - 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2~15%.
 - Hope to the table of the reduction ratio is greater than the further reduction, it would be installed between the motor and the reducer reduction ratio of 10 the middle of the reducer.
 - When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.



200/250W

□100mm

電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated	電容量/耐壓 Capacity/Ve μ F/VAC
公司型號 JWD types						mN.m	gf.cm	mN.m	gf.cm	Revolution r/min	
6IK200GU-CF 6IK200A-CF	感應 Induction	200	單相 1-phase 220	50	1.55	1485	14850	1414	14140	1350	8/450
6RK200GU-CF 6RK200A-CF	可逆 Reversible			60	1.5	1294	12940	1232	12320	1550	8/450
				50	1.55	1485	14850	1414	14140	1350	10/450
				60	1.5	1294	12940	1232	12320	1550	10/450
6IK200GU-AF 6IK200A-AF	感應 Induction	200	單相 1-phase 110	50	3.0	1485	14850	1414	14140	1350	32/250
6RK200GU-AF 6RK200A-AF	可逆 Reversible			60	2.8	1294	12940	1232	12320	1550	30/250
				50	3.0	1485	14850	1414	14140	1350	40/250
				60	2.8	1294	12940	1232	12320	1550	36/250
6IK200GU-UF 6IK200A-UF	——	200	三相 3-phase 380	50	0.9	1600	16000	1450	14500	1350	——
6RK200GU-SF 6RK200A-SF	——	200	三相 3-phase 220	60	0.87	1386	13860	1260	12600	1550	——
				50	1.15	1600	16000	1450	14500	1350	——
				60	1.1	1386	13860	1260	12600	1550	——
6IK250GU-CF 6IK250A-CF	感應 Induction	250	單相 1-phase 220	50	1.6	2020	20200	1837	18370	1350	10/450
6RK250GU-CF 6RK250A-CF	可逆 Reversible			60	1.55	1700	17000	1540	15400	1550	10/450
				50	1.6	2020	20200	1837	18370	1350	12/450
				60	1.55	1700	17000	1540	15400	1550	12/450
6IK250GU-AF 6IK250A-AF	感應 Induction	250	單相 1-phase 110	50	3.2	2020	20200	1837	18370	1350	40/250
6RK250GU-AF 6RK250A-AF	可逆 Reversible			60	3.0	1700	17000	1540	15400	1550	40/250
				50	3.3	2020	20200	1837	18370	1350	48/250
				60	3.2	1700	17000	1540	15400	1550	48/250
6RK250GU-UF 6RK250A-UF	——	250	三相 3-phase 380	50	1.3	2022	20220	1840	18400	1350	——
6RK250GU-SF 6RK250A-SF	——	250	三相 3-phase 220	60	1.2	1760	17600	1600	16000	1550	——
				50	1.21	2022	20220	1840	18400	1350	——
				60	1.15	1760	17600	1600	16000	1550	——

- 上表參數是指電機單體，不附加任何負荷裝置。
● 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
● Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	200	150	120	100	85	75	60	50	40	37	30	25	20	15	12	10	8	7	6	
	減速比i ratio		3	5	7.5	10	12.5	15	18	20	25	30	36	40	50	60	75	100	120	150	180	200	250	
最大允許負載 Max allowable load	200W	$\frac{\text{kg}\cdot\text{cm}}{\text{N}\cdot\text{m}}$	39.4 3.86	66 6.44	89.8 8.8	119 11.7	149 14.5	180 17.6	214 21.0	239 23.4	299 29.3	358 35.1	392 38.4	435 42.6	440 43									
	250W	$\frac{\text{kg}\cdot\text{cm}}{\text{N}\cdot\text{m}}$	49.3 4.83	82.1 8.1	112 11	149 14.6	486 18.3	224 22	268 26.4	298 29.3	375 36.6	438 43	440 43											

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
● 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
● 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。

- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction,it would be installed between the motor and the reducer reduction ratiio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor,and a locked rotor situation exists,please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

370W

□100mm

電機特性

List of motor characteristics

電機型號 Motor model	規格 Specs	輸出功率 Output Power W	電源電壓 Voltage V	頻率 Frequency Hz	電流 Current A	起動扭矩 Starting Torque		額定扭矩 Rated Torque		額定轉速 Rated Revolution r/min	電容量/耐壓 Capacity/Ve μ F/VAC
公司型號 JWD types						mN.m	gf.cm	mN.m	gf.cm		
6IK370GU-CF 6IK370A-CF	感應 Induction	370	單相 1-phase 220	50	2.3	2944	29440	2560	25660	1350	15/450
				60	2.1	2622	26220	2280	22880	1550	15/450
6RK370GU-CF 6RK370A-CF	可逆 Reversible			50	2.3	2944	29440	2560	25660	1350	15/450
				60	2.1	2622	26220	2280	22880	1550	15/450
6IK370GU-AF 6IK370A-AF	感應 Induction	370	單相 1-phase 110	50	3.0	2944	29440	2560	25660	1350	32/250
				60	2.8	2622	26220	2280	22880	1550	30/250
6RK370GU-AF 6RK370A-AF	可逆 Reversible			50	3.0	2944	29440	2560	25660	1350	40/250
				60	2.8	2622	26220	2280	22880	1550	36/250
6IK370GU-UF 6IK370A-UF	—	370	三相 3-phase 380	50	1.4	3018	30180	2624	26240	1350	—
				60	1.2	2680	26800	2330	23300	1550	—
6RK370GU-SF 6RK370A-SF	—	370	三相 3-phase 220	50	2.5	3018	30180	2624	26240	1350	—
				60	2.0	2680	26800	2330	23300	1550	—

- 上表參數是指電機單體，不附加任何負荷裝置。
● 電機額定轉速、額定電流允許在±5%範圍內變動。
- Parameters in above table refer to motor alone,without any load device.
● Permissible change in rated speed and rated current of the motor is within the range of ±5%.

減速電機允許負載

Allowable load for the gear motor

減速參數 Geared-down parameter	同步轉速r/mn Synchronous speed		500	300	200	150	120	100	85	75	60	50	40	37	30	25	20	15	12	10	8	7	6
	減速比i ratio		3	5	7.5	10	12.5	15	18	20	25	30	36	40	50	60	75	100	120	150	180	200	250
最大允許負載 Max allowable load	370W	$\frac{\text{kg}\cdot\text{cm}}{\text{N}\cdot\text{m}}$	62.2 6.22	106 10.4	142 14.0	190 18.6	238 23.3	285 28	342 33.6	381 37.3	440 43												

- 轉速是以電動機的同步轉速為基準除以減速比而算出的數值。實際轉速將隨負載大小變化而比所示數值減少2~15%左右。
● 希望以大于上表的減速比進一步減速時，可在電動機與減速機之間安裝減速比為10的中間減速機。
● 當負載扭矩超過減速電機最大允許負載扭矩，并有堵轉情況存在時，請在減速箱輸出軸和負載連接處加裝扭矩限制裝置，確保齒輪減速箱正常運行。

- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in2~15%.
- Hope to the table of the reduction ratio is greater than the further reduction,it would be installed between the motor and the reducer reduction ratiio of 10 the middle of the reducer.
- When the load torque exceeds the maximum allowable load torque gear motor,and a locked rotor situation exists,please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.



直角中实减速箱

Right angle solid-shaft reduction gear box



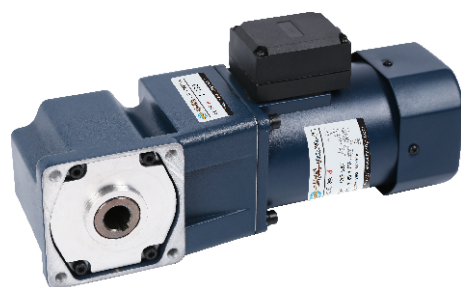
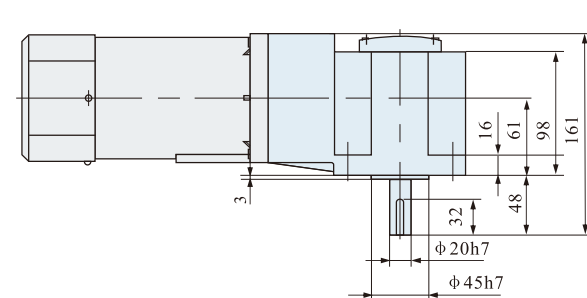
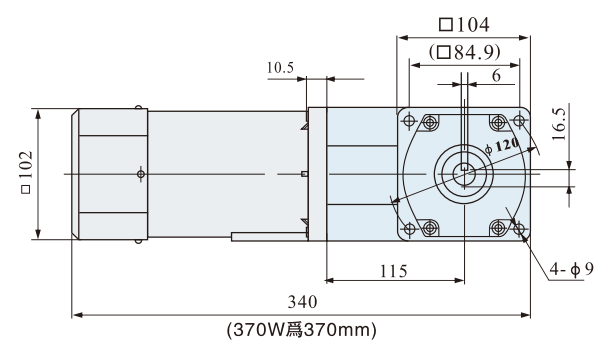
型号:6GU □RT-K Model:6GU □RT-K
速比:1:10~1500 Gear ratio:1:10~1500

100型 CAD 尺寸

Model 100 CAD size

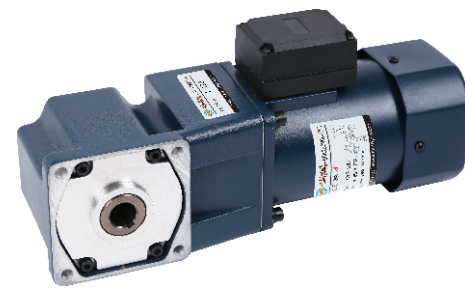
組合: 定速電機+直角中實減速箱
減速比: 1:10~1500
質量: 8.8kg

Combination: fixed speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 8.8kg



直角中空减速箱

Right angle hollow-shaft reduction gear box



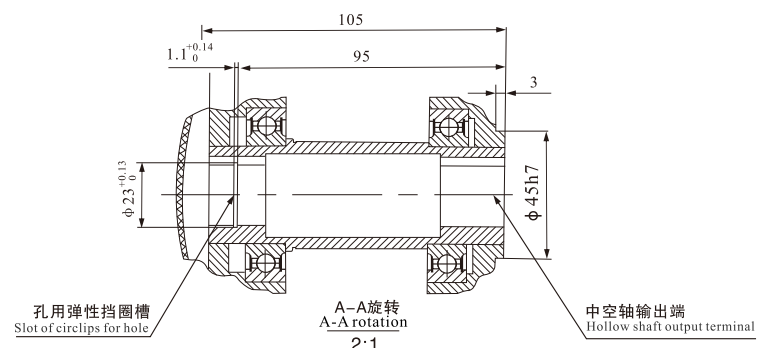
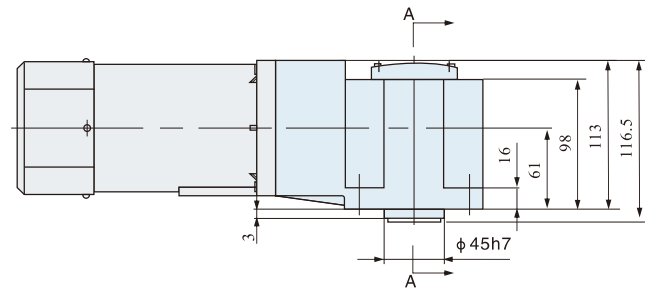
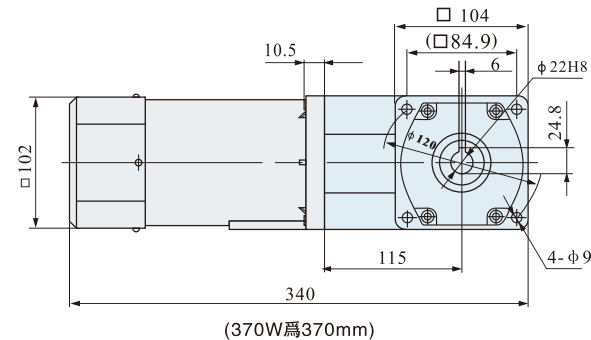
型号:6GU □RC-K Model:6GU □RC-K
速比:1:10~1500 Gear ratio:1:10~1500

100型 CAD 尺寸

Model 100 CAD size

組合: 定速電機+直角中空減速箱
減速比: 1:10~1500
質量: 8.7kg

Combination: fixed speed motor + right angle hollow reduction gear box
Deceleration ratio: 1:10~1500
Mass: 8.7kg

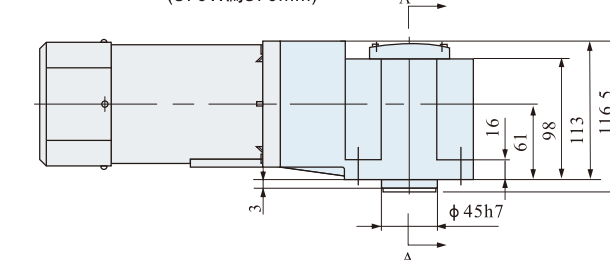
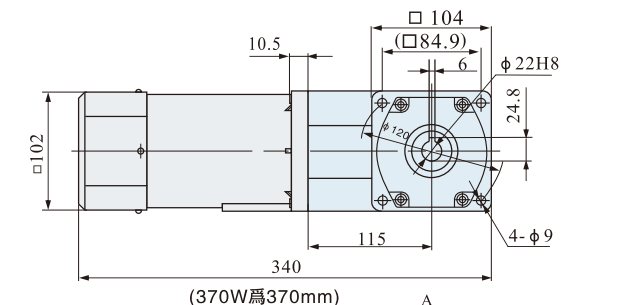


100型 CAD 尺寸

Model 100 CAD size

組合: 調速電機+直角中空減速箱
減速比: 1:10~1500
質量: 8.8kg

Combination: adjustable speed motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 8.8kg

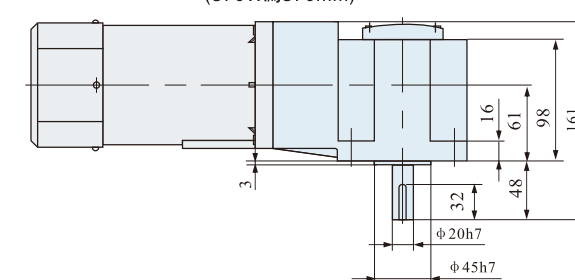
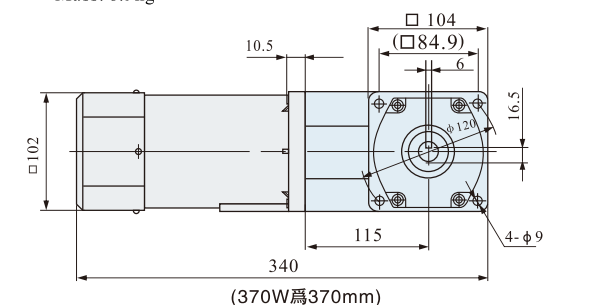


100型 CAD 尺寸

Model 100 CAD size

組合: 調速電機+直角中實減速箱
減速比: 1:10~1500
質量: 8.9kg

Combination: adjustable speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 8.9kg

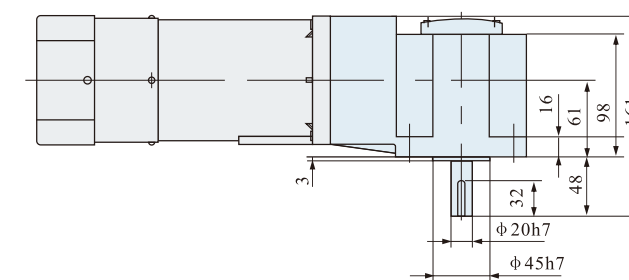
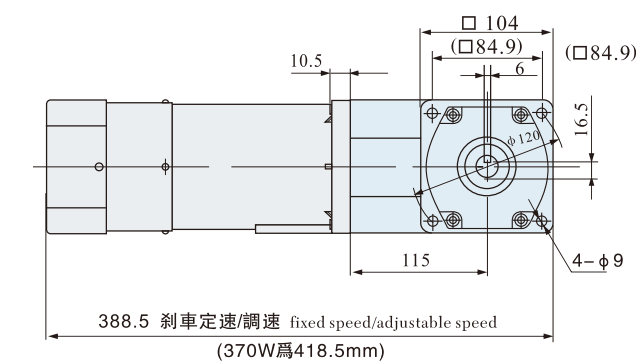


100型 CAD 尺寸

Model 100 CAD size

組合: 剎車定速/調速電機+直角中實減速箱
減速比: 1:10~1500
質量: 9.5kg

Combination: fixed speed / adjustable speed brake motor + right angle solid deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 9.5kg

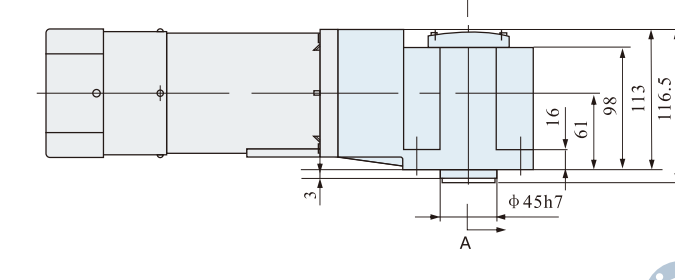
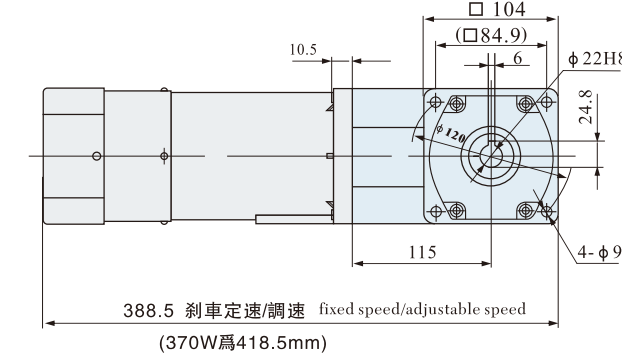


100型 CAD 尺寸

Model 100 CAD size

組合: 剎車定速/調速電機+直角中空減速箱
減速比: 1:10~1500
質量: 9.4kg

Combination: fixed speed / adjustable speed brake motor + right angle hollow deceleration gear box
Deceleration ratio: 1:10~1500
Mass: 9.4kg



直角中实减速箱

Right angle solid-shaft reduction gear box



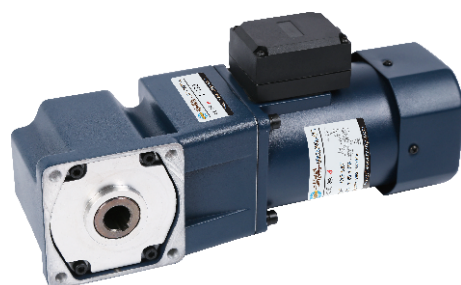
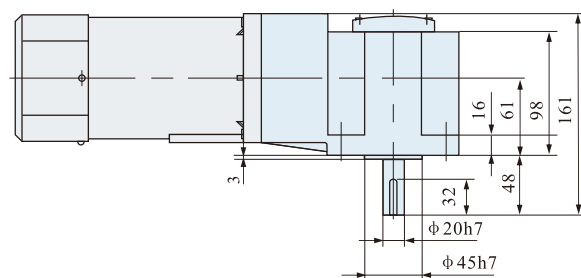
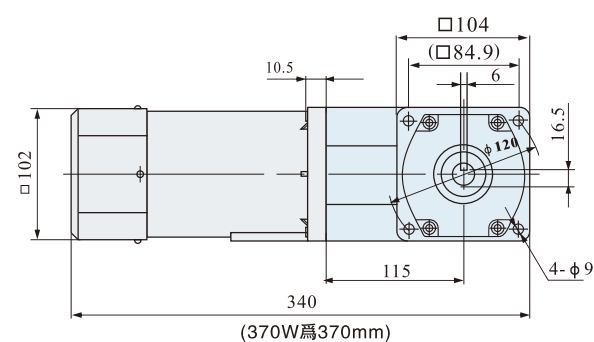
型号:6GU □RT-K Model:6GU □RT-K
速比:1:10~1500 Gear ratio:1:10~1500

100型 CAD 尺寸

Model 100 CAD size

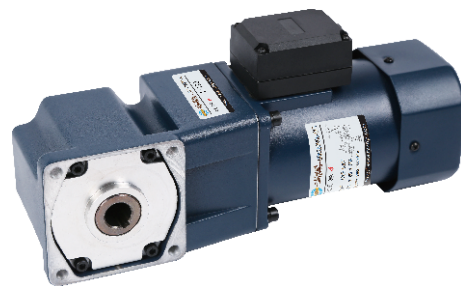
組合：定速电机+直角中实减速箱
减速比：1:10_1500
質量：8.8kg

Combination: fixed speed motor + right angle solid reduction gear box
Deceleration ratio: 1:10~1500
Mass: 8.8kg



直角中空减速箱

Right angle hollow-shaft reduction gear box



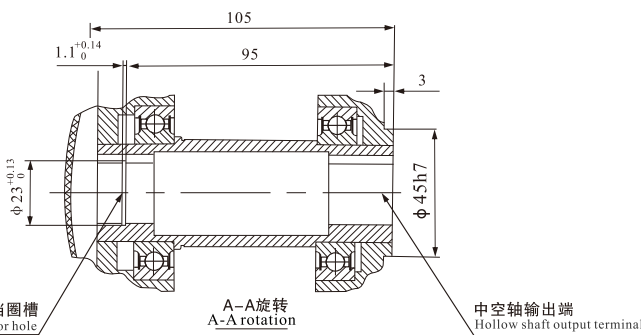
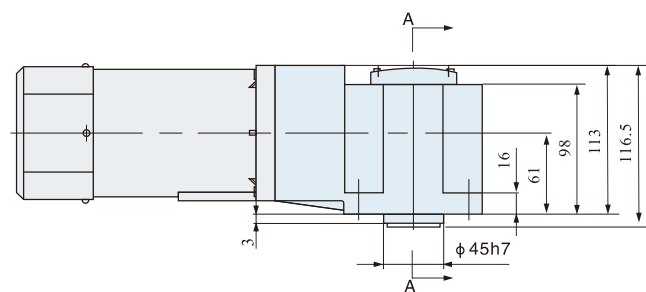
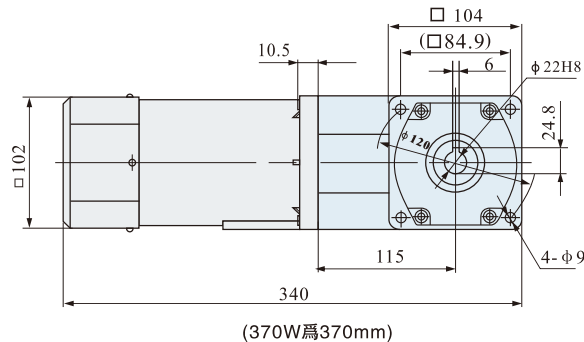
型号:6GU □RC-K Model:6GU □RC-K
速比:1:10~1500 Gear ratio:1:10~1500

100型 CAD 尺寸

Model 100 CAD size

組合：定速电机+直角中空减速箱
减速比：1:10_1500
質量：8.7kg

Combination: fixed speed motor + right angle hollow reduction gear box
Deceleration ratio: 1:10~1500
Mass: 8.7kg


孔用弹性挡圈槽
Slot of circlips for hole

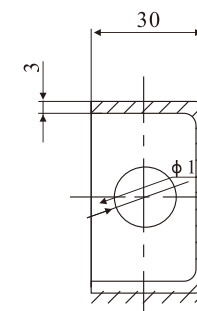
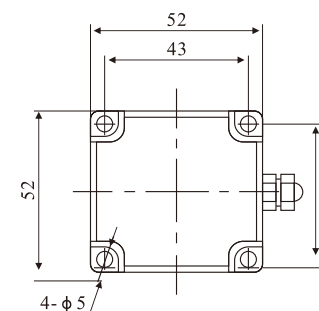
A-A旋转
A-A rotation
2:1

中空轴输出端
Hollow shaft output terminal

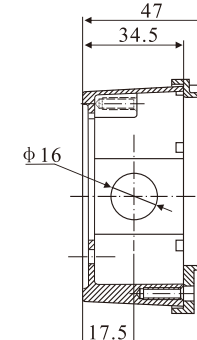
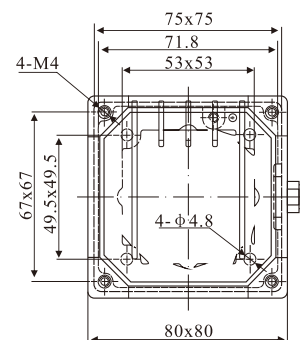
接线盒种类

Type of junction box

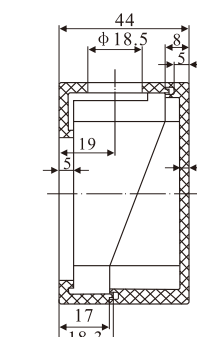
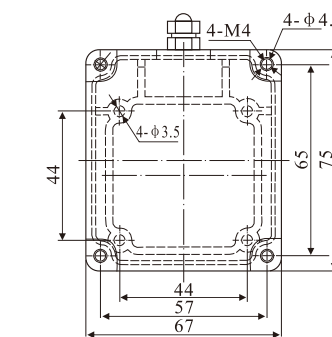
防水接线盒 Waterproof junction box



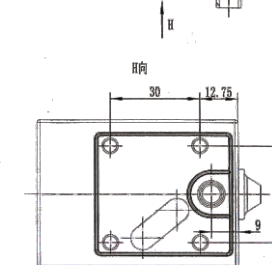
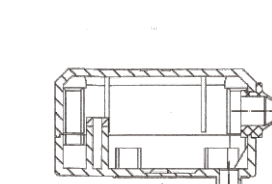
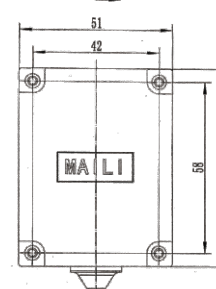
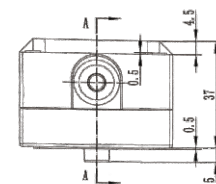
D型接线盒 D type junction box



SX型接线盒 SX type junction box



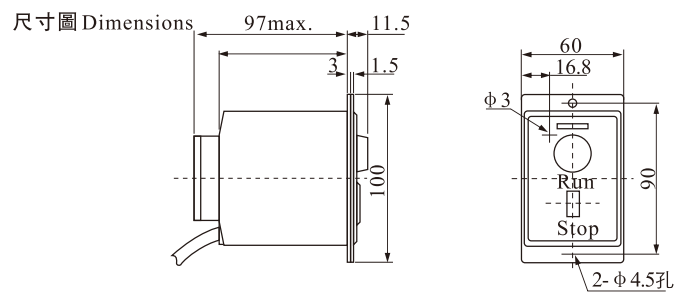
ZP接线盒 ML junction box





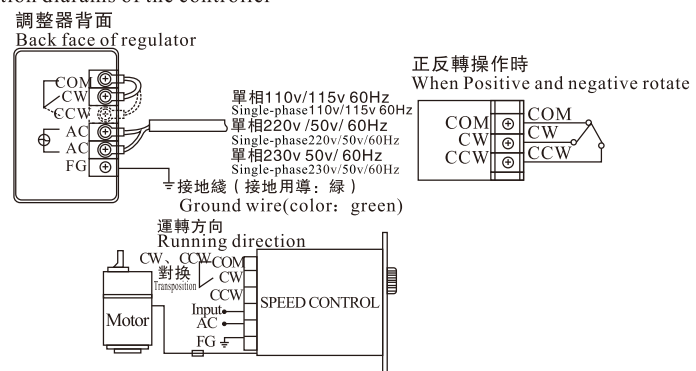
US-52 速度控制器

US-52 Speed controller



控制器接綫圖

Connection diarams of the controller

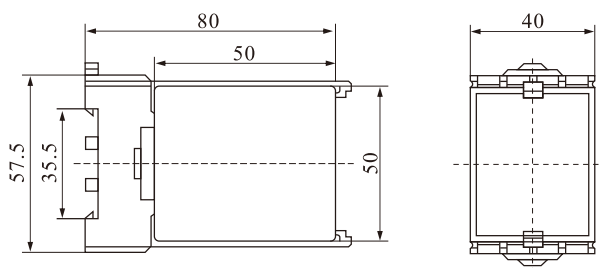


SS-22 速度控制器

SS-22 Speed controller

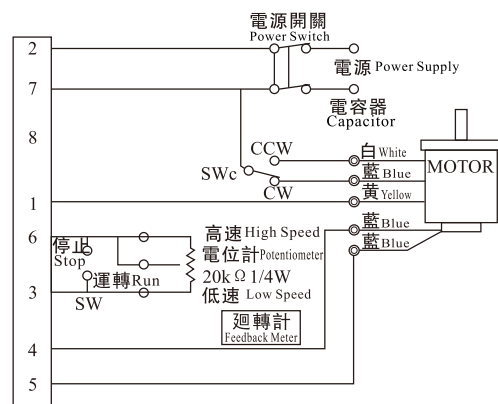


尺寸圖 Dimensions



控制器接綫圖

Connection diarams of the controllerbb



注：以上“接綫圖”僅供參考

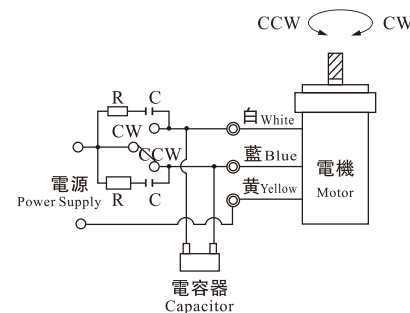
Note: “Connection diarams” is for reference only.

接綫方式

Wiring method

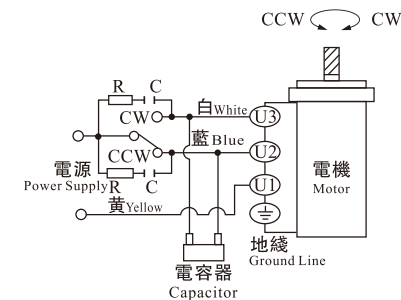
單相電機接綫圖

Single-phase motor wiring diagram



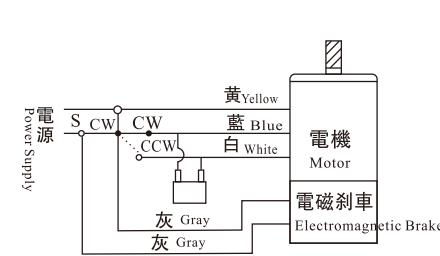
單相配端子箱電機接綫圖

Single-phase motor with terminal box wiring diagram



單相剎車馬達接綫圖

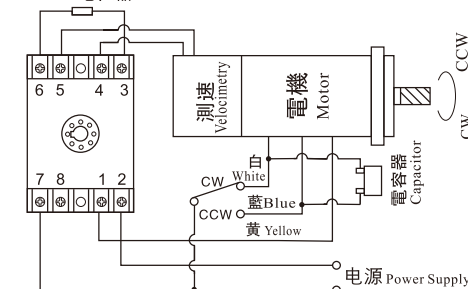
Single-phase brake motor wiring diagram



調速電機配SS速度控制器

Speed regulating motor with SS speed controller

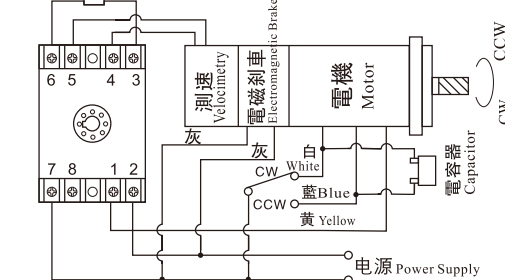
W5.6K 电位器



剎車帶調速電機配SS速度控制器

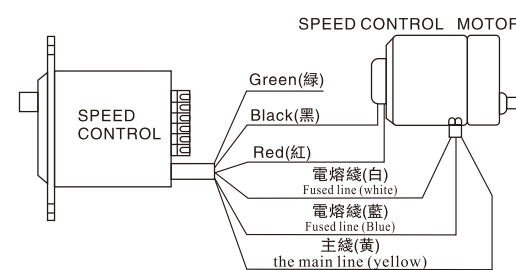
Brake band speed regulating motor with SS speed controller

W5.6K 电位器



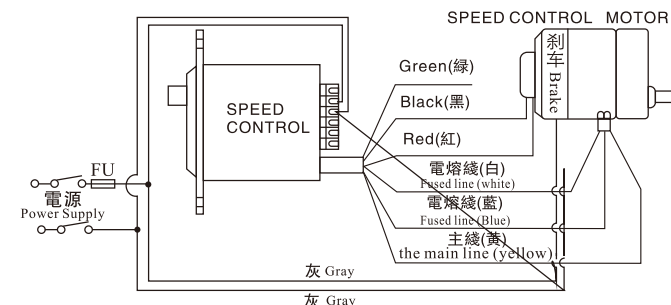
調速電機配US速度控制器

Speed regulating motor with US speed controller



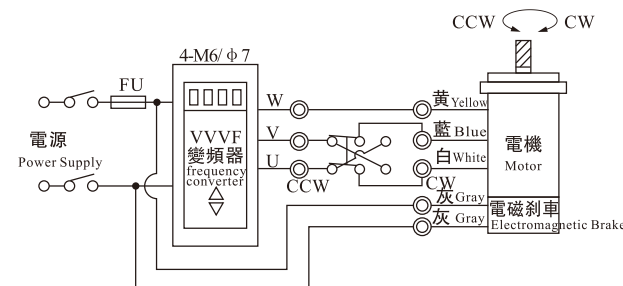
剎車帶調速電機配US速度控制器

Brake band speed regulating motor with US speed controller



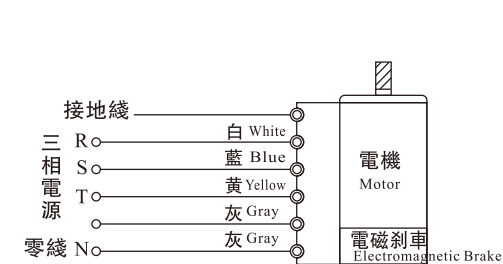
三相剎車電機配變頻器

Three-phase brake motor with frequency converter



三相剎車馬達接綫圖

Three-phase brake motor wiring diagram



圖中R、C為阻容吸收回路，確保電機及相關控制部件可靠工作

The R and C circuit is resistance-capacitance absorption circuit, which ensures the reliable operation of the motor and relative control components.

(R=5~330 Ω C=0.1~0.22 F 250VAC(450VAC))